Gov Doc

BOSTON
PUBLIC
LIBRARY

SUPERINTENDENT OF DOCUMENTS
U.S. DEPOSITORY

C 3.158:M 3-1-(90)-1
Current Industrial Reports,...

APR 25 1990
PUBLIC LIBRARY
DOCUMENTS

Manufacturers' Shipments, Inventories, and Orders

January 1990

M3-1-(90)-1
For Wire Transmissions 10:00 a.m. E.S.T. Tuesday, March 6, 1990

U. S. Department of Commerce
BUREAU OF THE CENSUS

(All figures in text are in seasonally adjusted current dollars)

Summary

New orders for manufactured goods in January dropped $13.1 billion or 5.4 percent to $227.7 billion, the Department of Commerce, Bureau of the Census reported today. This is the largest one-month decline since a 7.0 percent decrease in December 1974. The January decrease was caused by a sharp decline in durables of $13.9 billion or 10.5 percent to $117.8 billion; transportation equipment declined $11.1 billion. New orders for nondurables were up $0.8 billion or 0.8 percent to $109.9 billion.

Shipments in January were down $4.4 billion or 1.9 percent to $226.6 billion. As with new orders, the decrease was concentrated in durable goods in the transportation equipment industry. Shipments of nondurable goods were up 0.9 percent.

Unfilled orders increased $1.0 billion or 0.2 percent to $515.5 billion as incoming orders continued to exceed shipments. Durable goods were up 0.2 percent, most of which was in transportation equipment. The nondurables sector declined 0.5 percent.

Manufacturers' inventories in January increased $2.8 billion or 0.7 percent to $373.9 billion, nearly offsetting the 0.5 percent decrease in December. The inventory to shipments ratio increased to 1.65 from 1.61 in December. This is the highest the ratio has been since 1.67 in January 1987.

New Orders

The decline in durable goods was mostly in transportation equipment, down 28.8 percent; aircraft and parts, motor vehicles and parts, and shipbuilding and tanks all declined. Electrical machinery was down $3.5 billion or 15.5 percent to $19.2 billion, most of which was in communication equipment. Nonelectrical machinery increased $0.5 billion or 2.4 percent to $22.3 billion and primary metals were up $0.1 billion or 1.2 percent to $11.1 billion.

The increase in nondurable goods of $0.8 billion or 0.8 percent to $109.9 billion resulted from a mix of large increases and decreases.

Shipments

Most of the $5.3 billion decline in durables was attributable to motor vehicles and parts, down $4.5 billion or 24.7 percent to $13.8 billion; this is the lowest level for the industry since the $13.8 billion in September 1984. Other declines were in electrical machinery, down $1.1 billion or 5.2 percent and fabricated metals, down $0.5 billion or 3.8 percent to $13.4 billion. Primary metals increased $0.3 billion or 2.4 percent.

Shipments of nondurables increased $1.0 billion or 0.9 percent to $110.0 billion. The largest increase was in petroleum products, up $ 0.7 billion or 5.6 percent to $12.9 billion. Food products were down $0.3 billion or 1.0 percent to $32.4 billion.

Unfilled Orders

The order backlog continued to increase in January mostly due to aircraft and parts. The total durable backlog was up $1.1 billion or 0.2 percent to $495.3 billion. Excluding aircraft and parts, unfilled orders declined $0.8 billion or 0.3 percent to $268.6 billion. Electrical machinery was down $0.5 billion or 0.5 percent and primary metals down $0.1 billion or 0.6 percent. Fabricated metals increased $0.5 billion or 2.0 percent while nonelectrical machinery was relatively flat.

Inventories

Increases in inventories of durable goods, up $2.0 billion or 0.8 percent, were widespread. Transportation was up $0.9 billion or 1.2 percent, fabricated metals up $0.5 billion or 2.1 percent, electrical machinery up $0.4 billion or 0.9 percent and nonelectrical machinery up $0.3 billion or 0.6 percent. Nondurable inventories were up $0.8 billion or 0.6 percent to $125.6 billion. Increases in petroleum, paper and tobacco products more than offset declines in most of the other categories.

By stage of fabrication for durable goods, materials and supplies and work in process were up 0.7 percent and 2.1 percent respectively, and finished goods down 1.6 percent. For nondurables, materials and supplies were down 0.2 percent and work in process and finished goods up 0.2 percent and 1.5 percent respectively.

Scheduled Release Dates

The advance report on durable goods for February is scheduled for March 23, 1990 at 8:30 a.m. and the full report on March 30, 1990 at 10:00 a.m.

Address inquiries concerning these figures to U.S. Department of Commerce, Bureau of the Census, Industry Division, Washington, DC 20233 or call Ruth Runyan or Kathleen Menth, (301) 763-2502 or (301) 763-2512.
For sale by the Superintendent of Documents, U.S. Government Printing Office, Washington, DC 20402. This report is also available the day of issue through the Department of Commerce's online Economic Bulletin Board (N-8-1) (202-377-3870) and through the Census Bureau's online information service-CENDATA. CENDATA is available from Dialog Information Services, INC. (1-800-334-2464) and CompuServe (1-800-848-8199). The CENDATA staff at the Bureau of the Census (301-763-2074) can provide content information and general guidance.

Table 1. **VALUE OF MANUFACTURERS' SHIPMENTS FOR INDUSTRY GROUPS, MARKET CATEGORIES AND SUPPLEMENTARY SERIES**
(Millions of dollars)

Industry	Seasonally adjusted						Not seasonally adjusted[1]						
	Monthly			Percent Change			Monthly				Percent change	Year to date	
	Jan. 1990[p]	Dec. 1989[r]	Nov. 1989	Dec.-Jan.[p]	Nov.-Dec.[r]	Oct.-Nov.	Jan. 1990[p]	Dec. 1989[r]	Nov. 1989	Jan. 1989	Jan.90/89[p]	1990[p]	1989
All manufacturing industries	226,648	231,003	232,826	-1.9	-0.8	+0.4	207,195	228,665	231,320	212,037	-2.3	207,195	212,037
Manufacturing industries with unfilled orders	126,914	129,064	129,241	-1.7	-0.1	+0.4	114,064	131,463	129,188	114,879	-0.7	114,064	114,879
Durable goods industries	116,684	121,998	123,209	-4.4	-1.0	+1.1	104,004	122,669	122,261	110,887	-6.2	104,004	110,887
With unfilled orders	99,732	102,791	101,674	-3.0	+1.1	+0.3	88,385	105,714	101,290	89,422	-1.2	88,385	89,422
Stone, clay, and glass products	5,367	5,322	5,431	+0.8	-2.0	-1.5	4,728	4,648	5,414	4,849	-2.5	4,728	4,849
Primary metals	11,208	10,947	11,499	+2.4	-4.8	-2.7	10,709	10,107	11,271	12,181	-12.1	10,709	12,181
Blast furnaces, steel mills	4,503	4,401	4,765	+2.3	-7.6	-1.7	4,377	4,118	4,586	5,068	-13.6	4,377	5,068
Iron and steel foundries	750	752	780	-0.3	-3.6	-4.3	693	635	785	839	-17.4	693	839
Nonferrous and other primary metals	5,955	5,794	5,954	+2.8	-2.7	-3.3	5,639	5,354	5,900	6,274	-10.1	5,639	6,274
Fabricated metal products	13,415	13,943	14,114	-3.8	-1.2	+0.9	11,935	12,713	13,693	11,771	+1.4	11,935	11,771
Machinery, except electrical	22,270	22,206	22,355	+0.3	-0.7	+1.7	19,174	24,448	21,345	18,612	+3.0	19,174	18,612
Engines and turbines	1,316	1,422	1,296	-7.5	+9.7	-3.6	1,192	1,845	1,285	1,181	+0.9	1,192	1,181
Construction, mining and material handling equipment	3,050	2,996	2,999	+1.8	-0.1	-3.4	2,721	2,851	3,012	2,422	+12.3	2,721	2,422
Metalworking machinery	1,077	1,081	1,030	-0.4	+5.0	-0.1	890	1,197	1,089	797	+11.7	890	797
Office and computing machines	6,075	6,041	5,704	+0.6	+5.9	+2.2	4,483	8,432	5,555	4,156	+7.9	4,483	4,156
Electrical machinery	19,763	20,839	19,994	-5.2	+4.2	+0.3	17,552	21,890	20,365	17,642	-0.5	17,552	17,642
Electrical transmission and distribution equipment and industrial apparatus	2,459	2,477	2,385	-0.7	+3.9	-0.1	2,212	2,470	2,355	2,271	-2.6	2,212	2,271
Household appliances	1,614	1,789	1,650	-9.8	+8.4	+1.8	1,457	1,555	1,525	1,434	+1.6	1,457	1,434
Radio and TV	977	1,048	1,029	-6.8	+1.8	-7.0	844	1,010	1,200	855	-1.3	844	855
Communication equipment	6,718	7,113	6,654	-5.6	+6.9	+2.6	5,574	8,510	6,739	5,320	+4.8	5,574	5,320
Electronic components	4,880	5,010	4,911	-2.6	+2.0	-0.2	4,568	4,786	4,853	4,488	+1.8	4,568	4,488
Other electrical machinery	3,115	3,402	3,365	-8.4	+1.1	-1.3	2,897	3,559	3,693	3,274	-11.5	2,897	3,274
Transportation equipment	25,586	30,455	31,142	-16.0	-2.2	+4.4	22,880	31,435	31,955	29,190	-21.6	22,880	29,190
Motor vehicles and parts	13,830	18,357	19,829	-24.7	-7.4	+7.1	13,269	16,248	20,636	20,158	-34.2	13,269	20,158
Aircraft, missiles, and parts.	9,850	9,707	9,200	+1.5	+5.5	0.0	7,902	12,593	9,359	7,094	+11.4	7,902	7,094
Shipbuilding and military tank vehicles	920	1,074	972	-14.3	+10.5	+16.8	746	1,452	954	761	-2.0	746	761
Instruments and related products	6,792	6,658	6,564	+2.0	+1.4	-0.5	6,137	6,871	6,456	5,830	+5.3	6,137	5,830
Scientific and engineering instruments	4,536	4,383	4,429	+3.5	-1.0	+0.5	4,273	4,520	4,232	3,986	+7.2	4,273	3,986
All other durable goods	12,283	11,628	12,110	+5.6	-4.0	-0.7	10,889	10,557	11,762	10,812	+0.7	10,889	10,812
Nondurable goods industries	109,964	109,005	109,617	+0.9	-0.6	-0.5	103,191	105,996	109,059	101,150	+2.0	103,191	101,150
With unfilled orders	27,182	26,273	27,567	+3.5	-4.7	+0.6	25,679	25,749	27,898	25,457	+0.9	25,679	25,457
Food and kindred products	32,445	32,776	32,858	-1.0	-0.2	-0.1	30,373	32,360	32,689	29,650	+2.4	30,373	29,650
Dairy products	4,671	4,595	4,692	+1.7	-2.1	+4.9	4,428	4,446	4,682	3,935	+12.5	4,428	3,935
Beverages	4,126	4,131	4,239	-0.1	-2.5	+2.6	3,656	3,682	3,972	3,733	-2.1	3,656	3,733
All other foods	15,260	15,332	15,413	-0.5	-0.5	-3.0	14,329	15,574	15,635	13,984	+2.5	14,329	13,984
Tobacco products	2,139	2,003	2,134	+6.8	-6.1	-8.1	1,367	2,527	2,363	1,218	+12.2	1,367	1,218
Textile mill products	5,237	4,818	5,395	+8.7	-10.7	+1.6	4,526	4,500	5,428	4,742	-4.6	4,526	4,742
Broadwoven fabrics	3,092	2,752	3,227	+12.4	-14.7	-0.2	2,736	2,708	3,183	2,877	-4.9	2,736	2,877
Paper and allied products	10,634	10,561	11,007	+0.7	-4.1	+0.3	10,500	10,105	10,641	10,822	-3.0	10,500	10,822
Pulp, paper etc.	4,541	4,481	4,759	+1.3	-5.8	+0.4	4,540	4,424	4,625	4,904	-7.4	4,540	4,904
Paperboard containers	2,748	2,733	2,739	+0.5	-0.2	+0.1	2,641	2,504	2,623	2,560	+3.2	2,641	2,560
All other paper products	3,345	3,347	3,509	-0.1	-4.6	+0.3	3,319	3,177	3,393	3,358	-1.2	3,319	3,358
Chemicals and allied products	21,205	21,327	21,266	-0.6	+0.3	+0.5	20,690	20,696	20,202	20,853	-0.8	20,690	20,853
Industrial chemicals, except pigments	5,588	5,115	5,322	+9.2	-3.9	-4.3	5,353	4,999	5,167	5,842	-8.4	5,353	5,842
Drugs, soaps, and toiletries	7,096	7,421	7,103	-4.4	+4.5	+3.4	7,195	7,469	6,821	6,603	+9.0	7,195	6,603
Other chemical products	5,710	5,743	5,672	-0.6	+1.3	+2.0	5,442	5,573	5,532	5,532	-1.6	5,442	5,532
Petroleum and coal products	12,892	12,211	11,492	+5.6	+6.3	-3.6	12,483	12,205	11,545	10,044	+24.3	12,483	10,044
Rubber and plastics products	7,424	7,651	7,512	-3.0	+1.9	-0.6	6,848	7,081	7,322	7,885	-13.2	6,848	7,885
All other nondurable goods	17,988	17,658	17,953	+1.9	-1.6	-0.4	16,404	16,522	18,869	15,936	+2.9	16,404	15,936
Market categories:													
Home goods and apparel	14,489	14,843	14,745	-2.4	+0.7	-1.2	12,429	12,551	15,214	12,909	-3.7	12,429	12,909
Consumer staples	46,685	47,144	46,780	-1.0	+0.8	-0.1	43,301	47,363	47,023	41,211	+5.1	43,301	41,211
Equipment and defense prod. except automotive	39,853	39,904	39,184	-0.1	+1.8	+1.4	33,888	45,778	38,052	31,586	+7.3	33,888	31,586
Automotive equipment	16,055	20,689	22,205	-22.4	-6.8	+6.1	15,286	18,224	22,834	22,419	-31.8	15,286	22,419
Construction materials, supplies and intermediate products	17,414	17,017	17,700	+2.3	-3.9	-0.4	15,151	15,149	17,066	15,764	-3.9	15,151	15,764
Other materials, supplies, and intermediate products	92,152	91,406	92,212	+0.8	-0.9	-0.8	87,140	89,600	91,131	88,148	-1.1	87,140	88,148
Supplementary series:[2]													
Capital goods industries	43,708	44,759	42,875	-2.3	+4.4	+1.1	36,979	52,035	42,655	35,665	+3.7	36,979	35,665
Nondefense	35,186	34,961	34,122	+0.6	+2.5	-0.1	30,015	39,563	33,579	28,445	+5.5	30,015	28,445
Excluding aircraft and parts	30,060	30,695	29,816	-2.1	+2.9	+1.2	25,899	33,987	29,339	25,123	+3.1	25,899	25,123
Defense	8,522	9,798	8,753	-13.0	+11.9	+6.1	6,964	12,472	9,076	7,220	-3.5	6,964	7,220
Household durable goods industries	6,836	7,172	6,997	-4.7	+2.5	-0.4	5,835	6,435	7,167	5,901	-1.1	5,835	5,901

See footnotes at end of table 2.

Table 2. **VALUE OF MANUFACTURERS' NEW ORDERS FOR INDUSTRY GROUPS, MARKET CATEGORIES AND SUPPLEMENTARY SERIES**
(Millions of dollars)

Industry	Seasonally adjusted						Not seasonally adjusted[1]						
	Monthly			Percent Change			Monthly				Percent change	Year to date	
	Jan. 1990[p]	Dec. 1989[r]	Nov. 1989	Dec.-Jan.[p]	Nov.-Dec.[r]	Oct.-Nov.	Jan. 1990[p]	Dec. 1989[r]	Nov. 1989	Jan. 1989	Jan.90/89[p]	1990[p]	1989
All manufacturing industries	227,684	240,752	239,710	-5.4	+0.4	+2.4	213,517	239,124	238,524	222,407	-4.0	213,517	222,407
Manufacturing industries with unfilled orders	127,950	138,813	136,125	-7.8	+2.0	+4.1	120,386	141,922	136,392	125,249	-3.9	120,386	125,249
Durable goods industries	117,827	131,719	130,175	-10.5	+1.2	+4.8	109,882	133,398	130,044	120,986	-9.2	109,882	120,986
With unfilled orders	100,875	112,512	108,640	-10.3	+3.6	+4.7	94,263	116,443	109,073	99,521	-5.3	94,263	99,521
Stone, clay, and glass products	5,221	5,386	5,451	-3.1	-1.2	-2.2	4,676	4,614	5,461	4,874	-4.1	4,676	4,874
Primary metals	11,067	10,932	11,249	+1.2	-2.8	+2.1	11,430	11,083	10,977	13,462	-15.1	11,430	13,462
Blast furnaces, steel mills	4,684	4,538	4,640	+3.2	-2.2	-2.7	5,055	4,807	4,473	6,073	-16.8	5,055	6,073
Iron and steel foundries	714	767	781	-6.9	-1.8	-1.0	766	617	772	1,014	-24.5	766	1,014
Nonferrous and other primary metals	5,669	5,627	5,828	+0.7	-3.4	+6.6	5,609	5,659	5,732	6,375	-12.0	5,609	6,375
Fabricated metal products	13,914	13,955	13,800	-0.3	+1.1	-0.5	12,526	12,881	13,294	11,702	+7.0	12,526	11,702
Machinery, except electrical	22,302	21,778	22,676	+2.4	-4.0	+5.6	19,928	23,649	21,986	20,157	-1.1	19,928	20,157
Engines and turbines	1,587	1,410	1,530	+12.6	-7.8	+18.1	1,417	1,730	1,594	1,252	+13.2	1,417	1,252
Construction, mining and material handling equipment	3,417	2,534	3,030	+34.8	-16.4	+0.3	3,026	2,719	3,107	2,577	+17.4	3,026	2,577
Metalworking machinery	1,017	1,131	1,122	-10.1	+0.8	+2.3	884	1,002	1,104	952	-7.1	884	952
Office and computing machines	5,954	5,876	5,855	+1.3	+0.4	+1.4	4,400	7,863	5,825	4,258	+3.3	4,400	4,258
Electrical machinery	19,249	22,774	21,609	-15.5	+5.4	+7.3	18,162	23,435	21,827	18,168	0.0	18,162	18,168
Electrical transmission and distribution equipment and industrial apparatus	2,701	2,408	2,405	+12.2	+0.1	+3.0	2,558	2,365	2,356	2,680	-4.6	2,558	2,680
Communication equipment	5,811	9,016	7,955	-35.5	+13.3	+25.5	5,547	10,158	8,244	5,341	+3.9	5,547	5,341
Electronic components	4,958	5,075	5,012	-2.3	+1.3	-2.2	4,628	4,883	4,777	4,274	+8.3	4,628	4,274
Other electrical machinery	3,119	3,461	3,494	-9.9	-0.9	-1.6	2,859	3,575	3,697	3,350	-14.7	2,859	3,350
Transportation equipment	27,401	38,501	36,779	-28.8	+4.7	+10.8	25,655	40,474	38,990	34,975	-26.6	25,655	34,975
Aircraft, missiles, and parts.	11,840	16,287	14,901	-27.3	+9.3	+22.8	10,777	20,340	16,422	12,928	-16.6	10,777	12,928
Shipbuilding and military tank vehicles	720	2,618	796	-72.5	228.9	-45.6	534	2,682	735	440	+21.4	534	440
Instruments and related products	6,768	6,853	6,505	-1.2	+5.3	-3.3	6,323	7,152	6,280	5,912	+7.0	6,323	5,912
Scientific and engineering instruments	4,539	4,570	4,345	-0.7	+5.2	-3.8	4,445	4,797	4,094	4,115	+8.0	4,445	4,115
All other durable goods	11,905	11,540	12,106	+3.2	-4.7	-1.4	11,182	10,110	11,229	11,736	-4.7	11,182	11,736
Nondurable goods industries	109,857	109,033	109,535	+0.8	-0.5	-0.2	103,635	105,726	108,480	101,421	+2.2	103,635	101,421
With unfilled orders	27,075	26,301	27,485	+2.9	-4.3	+1.6	26,123	25,479	27,319	25,728	+1.5	26,123	25,728
Market categories:													
Home goods and apparel	14,089	14,958	14,816	-5.8	+1.0	-2.2	13,276	12,081	14,533	14,400	-7.8	13,276	14,400
Consumer staples	46,646	47,084	46,793	-0.9	+0.6	0.0	43,283	47,342	47,071	41,206	+5.0	43,283	41,206
Equipment and defense prod. except automotive	41,919	49,545	44,506	-15.4	+11.3	+9.5	37,811	56,577	45,225	37,006	+2.2	37,811	37,006
Automotive equipment	16,079	20,669	22,230	-22.2	-7.0	+6.9	15,397	18,344	22,938	22,468	-31.5	15,397	22,468
Construction materials, supplies and intermediate products	17,458	17,341	17,575	+0.7	-1.3	-0.6	15,278	15,553	16,925	15,751	-3.0	15,278	15,751
Other materials, supplies, and intermediate products	91,493	91,155	93,790	+0.4	-2.8	+0.8	88,472	89,227	91,832	91,576	-3.4	88,472	91,576
Supplementary series:													
Capital goods industries	45,057	54,159	50,168	-16.8	+8.0	+10.1	40,834	61,560	51,704	43,381	-5.9	40,834	43,381
Nondefense	38,098	44,389	38,901	-14.2	+14.1	+8.1	33,971	48,244	38,389	36,298	-6.4	33,971	36,298
Excluding aircraft and parts	29,906	31,445	30,454	-4.9	+3.3	+4.7	26,789	33,990	30,008	27,422	-2.3	26,789	27,422
Defense	6,959	9,770	11,267	-28.8	-13.3	+17.7	6,863	13,316	13,315	7,083	-3.1	6,863	7,083
Household durable goods industries	6,564	7,117	6,994	-7.8	+1.8	-2.0	6,549	6,035	6,655	7,093	-7.7	6,549	7,093

[p] Preliminary. [r] Revised.

[1]Shipments and new orders are the totals for the period and are adjusted for trading-day and calendar-month variations; unfilled orders and inventories are as of the end of the period and are not adjusted for trading-day or calendar-month variations.

[2]The supplementary series are regroupings of the separate industry categories:

Nondefense capital goods include machinery, except electrical (excluding farm machinery and equipment and machine shops); electrical machinery (excluding household appliances, radio and TV, and electronic components); railroad equipment; and the nondefense portions of ordnance; communication equipment; aircraft, missiles and parts; tanks, and shipbuilding, converting and repairing.

Defense capital goods include ordnance; communication equipment; aircraft, missiles and parts; tanks, and shipbuilding, converting and repairing.

Household durable goods industries include household furniture; kitchen articles and pottery; cutlery, handtools, and hardware; household appliances; radio and TV; ophthalmic goods; watches and clocks; and miscellaneous personal goods.

Table 3. **VALUE OF MANUFACTURERS' UNFILLED ORDERS FOR INDUSTRY GROUPS, MARKET CATEGORIES AND SUPPLEMENTARY SERIES**
(Millions of dollars)

Industry	Seasonally adjusted						Not seasonally adjusted[1]				
	Monthly			Percent Change			Monthly				Percent change
	Jan. 1990p	Dec. 1989r	Nov. 1989	Dec.-Jan.p	Nov.-Dec.r	Oct.-Nov.	Jan. 1990p	Dec. 1989r	Nov. 1989	Jan. 1989	Jan.90/89p
All manufacturing industries	515,535	514,499	504,750	+0.2	+1.9	+1.4	516,264	509,942	499,483	474,304	+8.8
Durable goods industries	495,339	494,196	484,475	+0.2	+2.0	+1.5	496,502	490,624	479,895	454,056	+9.3
Stone, clay, and glass products	5,202	5,348	5,284	-2.7	+1.2	+0.4	5,095	5,147	5,181	5,637	-9.6
Primary metals	22,369	22,510	22,525	-0.6	-0.1	-1.1	22,790	22,069	21,093	26,425	-13.8
Blast furnaces, steel mills	8,911	8,730	8,593	+2.1	+1.6	-1.4	9,232	8,554	7,865	11,730	-21.3
Iron and steel foundries	2,300	2,336	2,321	-1.5	+0.6	0.0	2,344	2,271	2,289	2,355	-.5
Nonferrous and other primary metals	11,158	11,444	11,611	-2.5	-1.4	-1.1	11,214	11,244	10,939	12,340	-9.1
Fabricated metal products	26,049	25,550	25,538	+2.0	0.0	-1.2	26,003	25,412	25,244	28,123	-7.5
Machinery, except electrical	61,504	61,472	61,900	+0.1	-0.7	+0.5	61,607	60,853	61,652	60,824	+1.3
Engines and turbines	6,786	6,515	6,527	+4.2	-0.2	+3.7	6,924	6,699	6,814	4,673	+48.2
Construction, mining and material handling equipment	9,353	8,986	9,448	+4.1	-4.9	+0.3	9,437	9,132	9,264	8,678	+8.7
Metalworking machinery	4,705	4,765	4,715	-1.3	+1.1	+2.0	4,526	4,532	4,727	4,737	-4.5
Office and computing machines	12,537	12,658	12,823	-1.0	-1.3	+1.2	12,224	12,307	12,876	13,172	-7.2
Electrical machinery	93,808	94,322	92,387	-0.5	+2.1	+1.8	94,101	93,491	91,946	92,916	+1.3
Electrical transmission and distribution equipment and industrial apparatus	7,132	6,890	6,959	+3.5	-1.0	+0.3	7,157	6,811	6,916	7,257	-1.4
Communication equipment	66,261	67,168	65,265	-1.4	+2.9	+2.0	66,987	67,014	65,366	65,557	+2.2
Electronic components	14,375	14,297	14,232	+0.5	+0.5	+0.7	13,929	13,869	13,772	14,191	-1.8
Other electrical machinery	5,019	5,015	4,956	+0.1	+1.2	+2.7	4,924	4,962	4,946	4,740	+3.9
Transportation equipment	264,518	262,703	254,657	+0.7	+3.2	+2.3	265,541	262,766	253,727	218,252	+21.7
Aircraft, missiles, and parts.	226,769	224,779	218,199	+0.9	+3.0	+2.7	227,922	225,047	217,300	180,966	+25.9
Shipbuilding and military tank vehicles	27,383	27,583	26,039	-0.7	+5.9	-0.7	27,161	27,373	26,143	25,916	+4.8
Instruments and related products	14,553	14,577	14,382	-0.2	+1.4	-0.4	14,706	14,520	14,239	14,782	-.5
Scientific and engineering instruments	13,549	13,546	13,359	0.0	+1.4	-0.6	13,752	13,580	13,303	13,776	-.2
All other durable goods	7,336	7,714	7,802	-4.9	-1.1	-0.1	6,659	6,366	6,813	7,097	-6.2
Nondurable goods industries	20,196	20,303	20,275	-0.5	+0.1	-0.4	19,762	19,318	19,588	20,248	-2.4
Market categories:											
Home goods and apparel	8,279	8,679	8,564	-4.6	+1.3	+0.8	7,623	6,776	7,246	8,066	-5.5
Consumer staples	828	867	927	-4.5	-6.5	+1.4	861	879	900	839	+2.6
Equipment and defense prod. except automotive	330,782	328,716	319,075	+0.6	+3.0	+1.7	332,946	329,023	318,224	292,117	+14.0
Automotive equipment	7,701	7,677	7,697	+0.3	-0.3	+0.3	7,793	7,682	7,562	8,912	-12.6
Construction materials, supplies and intermediate products	14,033	13,989	13,665	+0.3	+2.4	-0.9	13,886	13,759	13,355	15,128	-8.2
Other materials, supplies, and intermediate products	153,912	154,571	154,822	-0.4	-0.2	+1.0	153,155	151,823	152,196	149,242	+2.6
Supplementary series:											
Capital goods industries	399,951	398,602	389,202	+0.3	+2.4	+1.9	401,666	397,811	388,286	351,959	+14.1
Nondefense	234,094	231,182	221,754	+1.3	+4.3	+2.2	234,204	230,248	221,567	186,626	+25.5
Excluding aircraft and parts	92,200	92,354	91,604	-0.2	+0.8	+0.7	92,310	91,420	91,417	89,039	+3.7
Defense	165,857	167,420	167,448	-0.9	0.0	+1.5	167,462	167,563	166,719	165,333	+1.3
Household durable goods industries	5,827	6,099	6,154	-4.5	-0.9	0.0	5,390	4,676	5,076	5,921	-9.0

See footnotes at end of table 2.

Table 4. **VALUE OF MANUFACTURERS' INVENTORIES FOR INDUSTRY GROUPS, MARKET CATEGORIES AND SUPPLEMENTARY SERIES**
(Millions of dollars)

Industry	Seasonally adjusted						Not seasonally adjusted[1]				
	Monthly			Percent Change			Monthly				Percent change
	Jan. 1990p	Dec. 1989r	Nov. 1989	Dec.-Jan.p	Nov.-Dec.r	Oct.-Nov.	Jan. 1990p	Dec. 1989r	Nov. 1989	Jan. 1989	Jan.90/89p
All manufacturing industries	373,853	371,082	372,813	+0.7	-0.5	+0.3	372,884	364,814	371,439	356,430	+4.6
Manufacturing industries with unfilled orders	261,247	259,125	259,926	+0.8	-0.3	+0.5	258,846	253,185	258,379	246,628	+5.0
Durable goods industries	248,213	246,222	247,610	+0.8	-0.6	+0.5	246,758	241,304	246,486	235,168	+4.9
With unfilled orders	229,765	227,786	228,553	+0.9	-0.3	+0.6	227,759	222,844	227,614	216,391	+5.3
Stone, clay, and glass products	7,730	7,800	7,832	-0.9	-0.4	-0.5	7,686	7,653	7,597	7,515	+2.3
Primary metals	20,492	20,565	20,742	-0.4	-0.9	-0.4	20,644	20,483	20,719	20,675	-.1
Blast furnaces, steel mills	10,596	10,509	10,570	+0.8	-0.6	+0.4	10,670	10,568	10,715	10,204	+4.6
Iron and steel foundries	1,376	1,365	1,365	+0.8	0.0	-0.7	1,377	1,336	1,307	1,385	-.6
Nonferrous and other primary metals	8,520	8,691	8,807	-2.0	-1.3	-1.2	8,597	8,579	8,697	9,086	-5.4
Fabricated metal products	23,798	23,303	23,732	+2.1	-1.8	-0.1	23,821	22,982	23,501	23,765	+.2
Machinery, except electrical	48,343	48,061	48,681	+0.6	-1.3	+0.6	48,121	47,147	48,569	47,150	+2.1
Engines and turbines	3,004	2,930	3,124	+2.5	-6.2	-0.4	2,852	2,729	3,235	2,953	-3.4
Construction, mining and material handling equipment	7,587	7,480	7,521	+1.4	-0.5	-0.6	7,648	7,426	7,484	7,699	-.7
Metalworking machinery	3,181	3,175	3,167	+0.2	+0.3	-0.5	3,117	3,070	3,170	2,902	+7.4
Office and computing machines	12,707	12,762	13,084	-0.4	-2.5	+3.6	12,478	12,524	13,096	12,143	+2.8
Electrical machinery	41,114	40,730	41,191	+0.9	-1.1	-0.3	40,510	39,779	40,736	40,422	+.2
Electrical transmission and distribution equipment and industrial apparatus	5,301	5,180	5,133	+2.3	+0.9	+0.1	5,290	5,067	5,053	5,136	+3.0
Household appliances	2,939	2,903	3,076	+1.2	-5.6	-2.0	2,901	2,771	2,894	2,948	-1.6
Radio and TV	1,924	1,907	1,791	+0.9	+6.5	+1.2	1,805	1,798	1,706	1,442	+25.2
Communication equipment	16,013	15,878	16,089	+0.9	-1.3	-0.5	15,750	15,538	16,164	15,838	-.6
Electronic components	8,616	8,595	8,782	+0.2	-2.1	+0.3	8,582	8,519	8,715	8,747	-1.9
Other electrical machinery	6,321	6,267	6,320	+0.9	-0.8	-0.5	6,182	6,086	6,204	6,311	-2.0
Transportation equipment	73,703	72,845	71,725	+1.2	+1.6	+1.5	72,934	70,955	72,248	63,886	+14.2
Motor vehicles and parts	12,149	11,846	12,310	+2.6	-3.8	-1.0	12,580	11,794	12,513	12,623	-.3
Aircraft, missiles, and parts.	56,839	56,470	54,862	+0.7	+2.9	+1.9	55,701	54,745	55,112	47,103	+18.3
Shipbuilding and military tank vehicles	2,521	2,405	2,374	+4.8	+1.3	+6.0	2,438	2,260	2,428	2,146	+13.6
Instruments and related products	14,125	14,017	14,452	+0.8	-3.0	+0.7	13,959	13,683	14,376	13,935	+.2
Scientific and engineering instruments	10,369	10,319	10,433	+0.5	-1.1	+0.1	10,286	10,173	10,467	10,304	-.2
All other durable goods	18,908	18,901	19,255	0.0	-1.8	+0.1	19,083	18,622	18,740	17,820	+7.1
Nondurable goods industries	125,640	124,860	125,203	+0.6	-0.3	-0.1	126,126	123,510	124,953	121,262	+4.0
With unfilled orders	31,482	31,339	31,373	+0.5	-0.1	-0.2	31,087	30,341	30,765	30,237	+2.8
Food and kindred products	26,309	26,342	26,283	-0.1	+0.2	+0.2	26,803	26,857	27,476	26,872	-.3
Dairy products	2,521	2,487	2,437	+1.4	+2.1	+0.6	2,506	2,434	2,403	2,447	+2.4
Beverages	4,196	4,200	4,271	-0.1	-1.7	-1.4	4,251	4,209	4,264	4,349	-2.3
All other foods	15,564	15,500	15,553	+0.4	-0.3	+0.6	15,891	16,018	16,557	15,072	+5.4
Tobacco products	5,715	5,459	5,551	+4.7	-1.7	-0.6	6,132	5,724	5,602	5,754	+6.6
Textile mill products	8,146	8,153	8,071	-0.1	+1.0	-0.8	8,064	7,832	7,818	7,569	+6.5
Broadwoven fabrics	4,546	4,606	4,600	-1.3	+0.1	-0.5	4,528	4,471	4,508	4,437	+2.1
Paper and allied products	12,740	12,571	12,554	+1.3	+0.1	-0.4	12,761	12,461	12,393	12,044	+6.0
Pulp, paper etc.	5,002	4,980	4,999	+0.4	-0.4	-0.2	5,071	4,973	4,897	4,548	+11.5
Paperboard containers	3,305	3,254	3,218	+1.6	+1.1	-1.1	3,315	3,178	3,149	3,122	+6.2
All other paper products	4,433	4,337	4,337	+2.2	0.0	-0.1	4,375	4,310	4,347	4,374	.0
Chemicals and allied products	28,552	28,918	29,273	-1.3	-1.2	-0.4	28,745	28,713	29,044	27,830	+3.3
Industrial chemicals, except pigments	7,766	8,093	8,210	-4.0	-1.4	-0.8	7,813	7,994	8,094	7,495	+4.2
Drugs, soaps, and toiletries	9,814	9,756	9,775	+0.6	-0.2	-0.3	9,647	9,572	9,796	9,259	+4.2
Other chemical products	6,946	7,126	7,383	-2.5	-3.5	-0.6	7,147	7,113	7,207	7,145	.0
Petroleum and coal products	11,250	10,440	10,286	+7.8	+1.5	-0.8	11,203	10,171	10,574	9,354	+19.8
Rubber and plastics products	10,376	10,542	10,592	-1.6	-0.5	-0.5	10,398	10,391	10,321	10,459	-.6
All other nondurable goods	22,552	22,435	22,593	+0.5	-0.7	+1.2	22,020	21,361	21,725	21,380	+3.0
Market categories:											
Home goods and apparel	28,076	27,766	27,937	+1.1	-0.6	+0.8	27,735	26,672	26,634	25,897	+7.1
Consumer staples	46,020	45,526	45,711	+1.1	-0.4	0.0	46,575	45,774	46,598	44,678	+4.2
Equipment and defense prod. except automotive	115,028	114,147	113,574	+0.8	+0.5	+1.1	113,893	111,635	113,633	105,244	+8.2
Automotive equipment	15,095	14,818	15,266	+1.9	-2.9	-1.2	15,511	14,763	15,434	15,343	+1.1
Construction materials, supplies and intermediate products	25,653	25,727	25,987	-0.3	-1.0	-0.3	25,817	25,355	25,394	25,322	+2.0
Other materials, supplies, and intermediate products	143,981	143,098	144,338	+0.6	-0.9	0.0	143,353	140,615	143,746	139,946	+2.4
Supplementary series:[2]											
Capital goods industries	133,115	131,867	131,239	+0.9	+0.5	+1.1	131,084	128,346	131,317	120,907	+8.4
Nondefense	94,535	93,930	93,098	+0.6	+0.9	+1.1	93,547	91,674	93,151	86,092	+8.7
Excluding aircraft and parts	66,660	66,154	66,893	+0.8	-1.1	+0.6	65,962	64,563	66,702	64,439	+2.4
Defense	38,580	37,937	38,141	+1.7	-0.5	+1.1	37,537	36,672	38,166	34,815	+7.8
Household durable goods industries	13,691	13,531	13,717	+1.2	-1.4	+0.2	13,519	13,019	13,155	12,801	+5.6

See footnotes at end of table 2.

Table 5. **VALUE OF MANUFACTURERS' INVENTORIES, BY STAGE OF FABRICATION, BY INDUSTRY GROUP**
(Millions of dollars)

Industry	Seasonally adjusted						Not seasonally adjusted				
	Monthly			Percent Change			Monthly				Percent change
	Jan. 1990[p]	Dec. 1989[r]	Nov. 1989	Dec.-Jan.[p]	Nov.-Dec.[r]	Oct.-Nov.	Jan. 1990[p]	Dec. 1989[r]	Nov. 1989	Jan. 1989	Jan.90/89[p]
MATERIALS AND SUPPLIES											
All manufacturing industries	114,540	114,164	115,127	+0.3	-0.8	+0.3	115,395	114,619	114,385	114,125	+1.1
Durable goods industries	67,856	67,375	68,058	+0.7	-1.0	+0.1	68,049	67,400	67,797	66,413	+2.5
Stone, clay, and glass products	2,602	2,631	2,647	-1.1	-0.6	+4.0	2,582	2,619	2,605	2,466	+4.7
Primary metals	6,438	6,408	6,456	+0.5	-0.7	-1.1	6,620	6,689	6,629	6,477	+2.2
Fabricated metal products	8,651	8,612	8,759	+0.5	-1.7	-1.4	8,741	8,634	8,654	8,828	-1.0
Machinery, except electrical	12,844	12,581	13,057	+2.1	-3.6	-0.9	12,867	12,505	12,995	13,123	-2.0
Electrical machinery	11,387	11,165	11,371	+2.0	-1.8	0.0	11,308	11,051	11,148	11,147	+1.4
Transportation equipment	13,868	13,898	13,490	-0.2	+3.0	+1.6	13,739	13,834	13,473	12,599	+9.0
Instruments and related products	4,565	4,537	4,563	+0.6	-0.6	-0.3	4,543	4,445	4,557	4,795	-5.3
Lumber, furniture and miscellaneous durable goods	7,501	7,543	7,715	-0.6	-2.2	+0.9	7,649	7,623	7,736	6,978	+9.6
Nondurable goods industries	46,684	46,789	47,069	-0.2	-0.6	+0.6	47,346	47,219	46,588	47,712	-.8
Food and kindred products	8,683	8,667	8,683	+0.2	-0.2	+1.4	9,018	8,957	8,977	9,538	-5.5
Tobacco products	4,305	4,248	4,302	+1.3	-1.3	-0.3	4,675	4,665	4,234	4,405	+6.1
Textile mill products	2,456	2,421	2,411	+1.4	+0.4	-1.5	2,426	2,361	2,290	2,216	+9.5
Paper and allied products	6,859	6,788	6,807	+1.0	-0.3	+0.5	6,867	6,790	6,737	6,607	+3.9
Chemicals and allied products	10,092	10,204	10,311	-1.1	-1.0	+1.0	10,061	10,109	10,154	9,913	+1.5
Petroleum and coal products	2,695	2,670	2,522	+0.9	+5.9	+5.5	2,650	2,671	2,527	2,210	+19.9
Rubber and plastics products	3,799	3,904	3,995	-2.7	-2.3	-0.3	3,846	4,002	3,929	4,260	-9.7
Apparel, printing and publishing and leather goods	7,795	7,887	8,038	-1.2	-1.9	-0.2	7,803	7,664	7,740	8,563	-8.9
WORK IN PROCESS											
All manufacturing industries	140,748	138,228	138,197	+1.8	0.0	+0.8	138,966	134,172	138,464	127,199	+9.3
Durable goods industries	119,784	117,303	117,051	+2.1	+0.2	+1.1	118,087	113,897	117,198	107,750	+9.6
Stone, clay, and glass products	1,048	1,046	1,079	+0.2	-3.1	+0.7	1,052	994	1,026	1,118	-5.9
Primary metals	8,339	8,439	8,558	-1.2	-1.4	-0.5	8,342	8,277	8,444	8,443	-1.2
Fabricated metal products	8,359	8,025	8,246	+4.2	-2.7	+2.3	8,236	7,812	8,247	8,190	+.6
Machinery, except electrical	20,850	20,488	20,221	+1.8	+1.3	+2.1	20,344	19,770	20,306	18,188	+11.9
Electrical machinery	19,141	19,167	19,455	-0.1	-1.5	-0.8	18,816	18,645	19,499	19,594	-4.0
Transportation equipment	52,822	51,060	50,037	+3.5	+2.0	+1.6	52,170	49,499	50,374	43,224	+20.7
Instruments and related products	5,466	5,383	5,694	+1.5	-5.5	+1.8	5,346	5,232	5,642	5,241	+2.0
Lumber, furniture and miscellaneous durable goods	3,759	3,695	3,761	+1.7	-1.8	+0.2	3,781	3,668	3,660	3,752	+.8
Nondurable goods industries	20,964	20,925	21,146	+0.2	-1.0	-1.2	20,879	20,275	21,266	19,449	+7.4
Food and kindred products	2,663	2,792	2,763	-4.6	+1.0	-2.5	2,707	2,787	2,834	2,745	-1.4
Tobacco products	278	239	250	+16.3	-4.4	+5.5	312	250	342	317	-1.6
Textile mill products	2,495	2,533	2,505	-1.5	+1.1	-0.3	2,512	2,450	2,474	2,345	+7.1
Paper and allied products	1,360	1,358	1,336	+0.1	+1.6	-3.8	1,341	1,329	1,330	1,309	+2.4
Chemicals and allied products	4,798	4,885	4,840	-1.8	+0.9	0.0	4,764	4,669	4,814	4,345	+9.6
Petroleum and coal products	3,157	3,027	2,872	+4.3	+5.4	-1.3	3,136	2,951	2,988	2,537	+23.6
Rubber and plastics products	1,423	1,399	1,460	+1.7	-4.2	-1.6	1,452	1,402	1,459	1,453	-.1
Apparel, printing and publishing and leather goods	4,790	4,692	5,120	+2.1	-8.4	-1.5	4,655	4,437	5,025	4,398	+5.8
FINISHED GOODS											
All manufacturing industries	118,565	118,690	119,489	-0.1	-0.7	-0.2	118,523	116,023	118,590	115,106	+3.0
Durable goods industries	60,573	61,544	62,501	-1.6	-1.5	-0.3	60,622	60,007	61,491	61,005	-.6
Stone, clay, and glass products	4,080	4,123	4,106	-1.0	+0.4	-3.5	4,052	4,040	3,966	3,931	+3.1
Primary metals	5,715	5,718	5,728	-0.1	-0.2	+0.7	5,682	5,517	5,646	5,755	-1.3
Fabricated metal products	6,788	6,666	6,727	+1.8	-0.9	-1.3	6,844	6,536	6,600	6,747	+1.4
Machinery, except electrical	14,649	14,992	15,403	-2.3	-2.7	-0.2	14,910	14,872	15,268	15,839	-5.9
Electrical machinery	10,586	10,398	10,365	+1.8	+0.3	+0.3	10,386	10,083	10,089	9,681	+7.3
Transportation equipment	7,013	7,887	8,198	-11.1	-3.8	+0.9	7,025	7,622	8,401	8,063	-12.9
Instruments and related products	4,094	4,097	4,195	-0.1	-2.3	+0.3	4,070	4,006	4,177	3,899	+4.4
Lumber, furniture and miscellaneous durable goods	7,648	7,663	7,779	-0.2	-1.5	-0.6	7,653	7,331	7,344	7,090	+7.9
Nondurable goods industries	57,992	57,146	56,988	+1.5	+0.3	-0.2	57,901	56,016	57,099	54,101	+7.0
Food and kindred products	14,963	14,883	14,837	+0.5	+0.3	0.0	15,078	15,113	15,665	14,589	+3.4
Tobacco products	1,132	972	999	+16.5	-2.7	-3.1	1,145	809	1,026	1,032	+10.9
Textile mill products	3,195	3,199	3,155	-0.1	+1.4	-0.8	3,126	3,021	3,054	3,008	+3.9
Paper and allied products	4,521	4,425	4,411	+2.2	+0.3	-0.7	4,553	4,342	4,326	4,128	+10.3
Chemicals and allied products	13,662	13,829	14,122	-1.2	-2.1	-1.5	13,920	13,935	14,076	13,572	+2.6
Petroleum and coal products	5,398	4,743	4,892	+13.8	-3.0	-3.5	5,417	4,549	5,059	4,607	+17.6
Rubber and plastics products	5,154	5,239	5,137	-1.6	+2.0	-0.2	5,100	4,987	4,933	4,746	+7.5
Apparel, printing and publishing and leather goods	9,967	9,856	9,435	+1.1	+4.5	+4.1	9,562	9,260	8,960	8,419	+13.6

[p]Preliminary. [r]Revised.

Table 6. **RATIO OF MANUFACTURES' INVENTORIES TO SHIPMENTS AND UNFILLED ORDERS TO SHIPMENTS, BY INDUSTRY GROUP**
(Based on seasonally adjusted data)

Industry	Inventory / Shipments ratio				Unfilled Orders / Shipments ratio[1]			
	Jan. 1990p	Dec. 1989r	Nov. 1989	Oct. 1989	Jan. 1990p	Dec. 1989r	Nov. 1989	Oct. 1989
All manufacturing industries	1.65	1.61	1.60	1.60	4.06	3.99	3.91	3.87
Durable goods industries	2.13	2.02	2.01	2.02	4.97	4.81	4.76	4.71
Stone, clay, and glass products	1.44	1.47	1.44	1.43	1.06	1.10	1.06	1.04
Primary metals	1.83	1.88	1.80	1.76	2.00	2.06	1.96	1.93
Fabricated metal products	1.77	1.67	1.68	1.70	2.17	2.04	2.01	2.05
Machinery, except electrical	2.17	2.16	2.18	2.20	2.93	2.92	2.98	3.00
Electrical machinery	2.08	1.95	2.06	2.07	4.75	4.53	4.62	4.55
Transportation equipment	2.88	2.39	2.30	2.37	14.85	13.33	13.43	13.47
Instruments and related products	2.08	2.11	2.20	2.18	2.14	2.19	2.19	2.19
Nondurable goods industries	1.14	1.15	1.14	1.14	0.74	0.77	0.74	0.74
Food and kindred products	0.81	0.80	0.80	0.80	(X)	(X)	(X)	(X)
Tobacco products	2.67	2.73	2.60	2.40	(X)	(X)	(X)	(X)
Textile mill products	1.56	1.69	1.50	1.53	(NA)	(NA)	(NA)	(NA)
Paper and allied products	1.20	1.19	1.14	1.15	(NA)	(NA)	(NA)	(NA)
Chemicals and allied products	1.35	1.36	1.38	1.39	(X)	(X)	(X)	(X)
Petroleum and coal products	0.87	0.85	0.90	0.87	(X)	(X)	(X)	(X)
Rubber and plastics products	1.40	1.38	1.41	1.41	(X)	(X)	(X)	(X)

p Preliminary. r Revised. (X) Not applicable. (NA) Not available.

[1] Excludes the following industries with no unfilled orders: Wood and lumber products; glass containers; metal cans, barrels and drums; farm machinery and equipment; motor vehicle assembly operations; other transportation equipment; foods and related products; tobacco; apparel and related products; building paper; die-cut paper and board; chemicals; petroleum and coal products; and rubber and plastics products.

Table 7. **AVERAGE REVISIONS TO PREVIOUSLY PUBLISHED MONTHLY PERCENT CHANGES**
(Based on seasonally adjusted data)

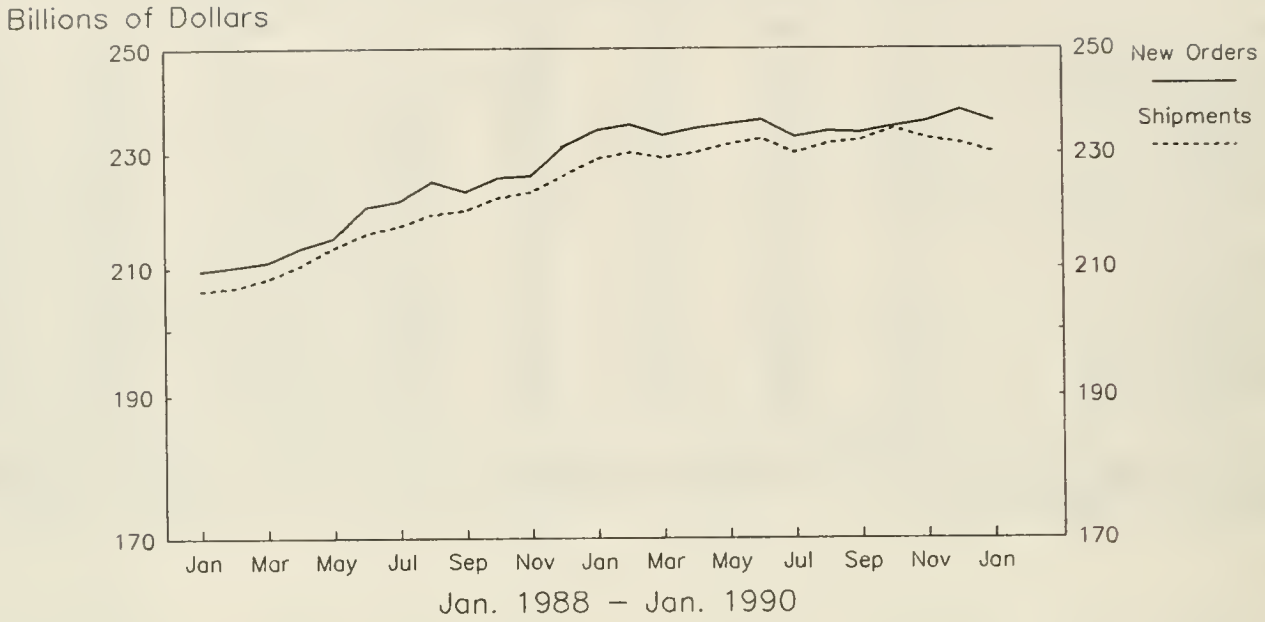
Industry	Shipments			New orders			Unfilled orders			Inventories		
	Jan. 1989	Jan.[1] 1985-1989	Jan. 1989-Dec. 1989	Jan. 1989	Jan.[1] 1985-1989	Jan. 1989-Dec. 1989	Jan. 1989	Jan.[1] 1985-1989	Jan. 1989-Dec. 1989	Jan. 1989	Jan.[1] 1985-1989	Jan. 1989-Dec. 1989
All manufacturing industries	0.4	0.2	0.2	0.4	0.5	0.4	0.0	0.2	0.1	0.1	0.1	0.1
Durable goods industries	0.1	0.4	0.2	0.3	0.6	0.5	0.1	0.2	0.1	0.1	0.0	0.1
Stone, clay, and glass products	0.3	1.0	0.5	0.1	1.1	0.6	0.2	0.4	0.5	0.3	1.1	0.2
Primary metals	0.4	0.6	0.3	1.2	1.1	0.9	0.1	0.6	0.4	0.4	0.2	0.2
Fabricated metal products	0.4	1.0	0.4	0.6	1.3	0.7	0.4	0.3	0.2	0.1	0.2	0.1
Machinery, except electrical	0.7	0.9	0.6	2.3	1.5	0.9	0.6	0.2	0.2	0.2	0.2	0.2
Electrical machinery	0.8	1.3	0.4	0.1	1.8	0.4	0.2	0.5	0.1	0.1	0.2	0.2
Transportation equipment	0.2	0.7	0.3	0.0	0.5	1.7	0.0	0.1	0.2	0.1	0.1	0.1
Instruments and related products	0.8	1.5	0.4	2.1	2.1	0.9	0.7	0.5	0.3	0.1	0.2	0.3
Nondurable goods industries	0.6	0.4	0.3	0.6	0.5	0.4	0.3	0.5	0.4	0.1	0.2	0.1
Food and kindred products	0.1	0.4	0.3	(X)	(X)	(X)	(X)	(X)	(X)	0.2	0.4	0.2
Tobacco products	0.0	0.0	0.5	(X)	(X)	(X)	(X)	(X)	(X)	0.0	0.4	0.1
Textile mill products	0.3	0.4	0.9	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	0.6	1.2	0.3
Paper and allied products	1.2	0.6	0.3	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	0.3	0.5	0.4
Chemicals and allied products	0.1	0.8	0.3	(X)	(X)	(X)	(X)	(X)	(X)	0.4	0.3	0.2
Petroleum and coal products	2.2	1.2	0.4	(X)	(X)	(X)	(X)	(X)	(X)	1.7	0.7	0.5
Rubber and plastics products	1.4	1.0	1.0	(X)	(X)	(X)	(X)	(X)	(X)	0.8	0.8	0.4
Capital goods industries:												
Nondefense	0.3	1.1	0.5	1.1	0.8	1.1	0.2	0.1	0.3	0.3	0.2	0.1
Defense	0.8	1.7	0.4	1.6	2.1	3.1	0.1	0.2	0.2	0.1	0.1	0.0

(X) Not applicable. (NA) Not available.

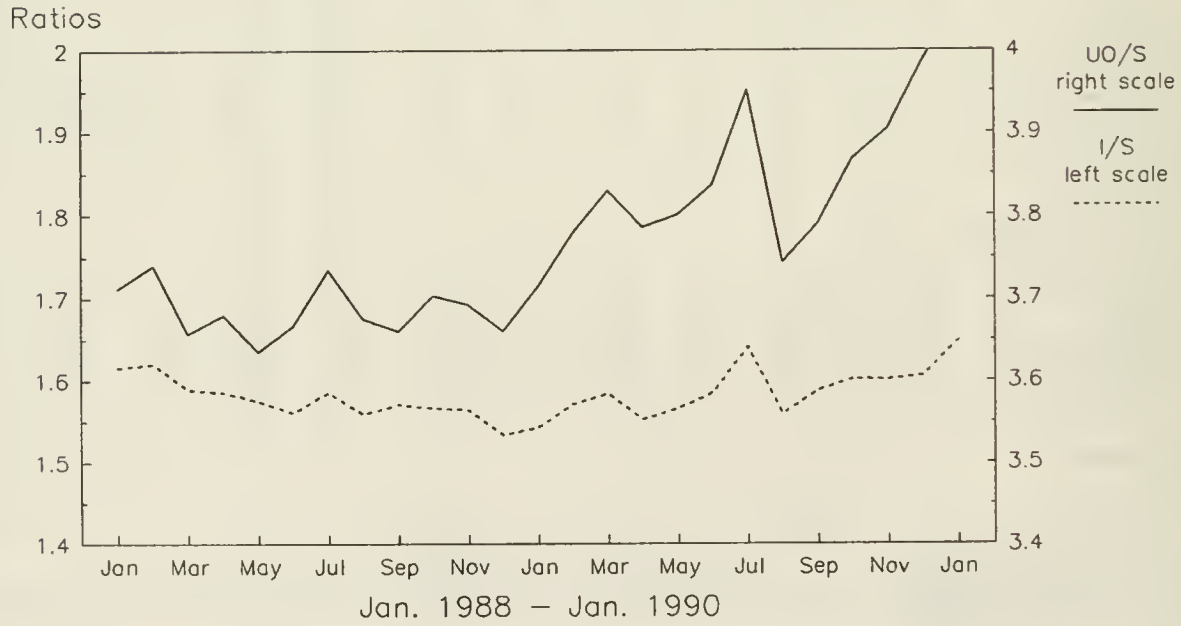
Note: The revisions are the differences between the month-to-month percent changes of the preliminary and final estimates. The monthly averages are the simple averages of the differences, without regard to sign, for the months specified. The advance to final percent change revisions for the durable goods industries are shown in the advance report for the month.

[1] Average for this month for the last five years.

Total Manufacturing
New Orders and Shipments
Three Month Moving Averages

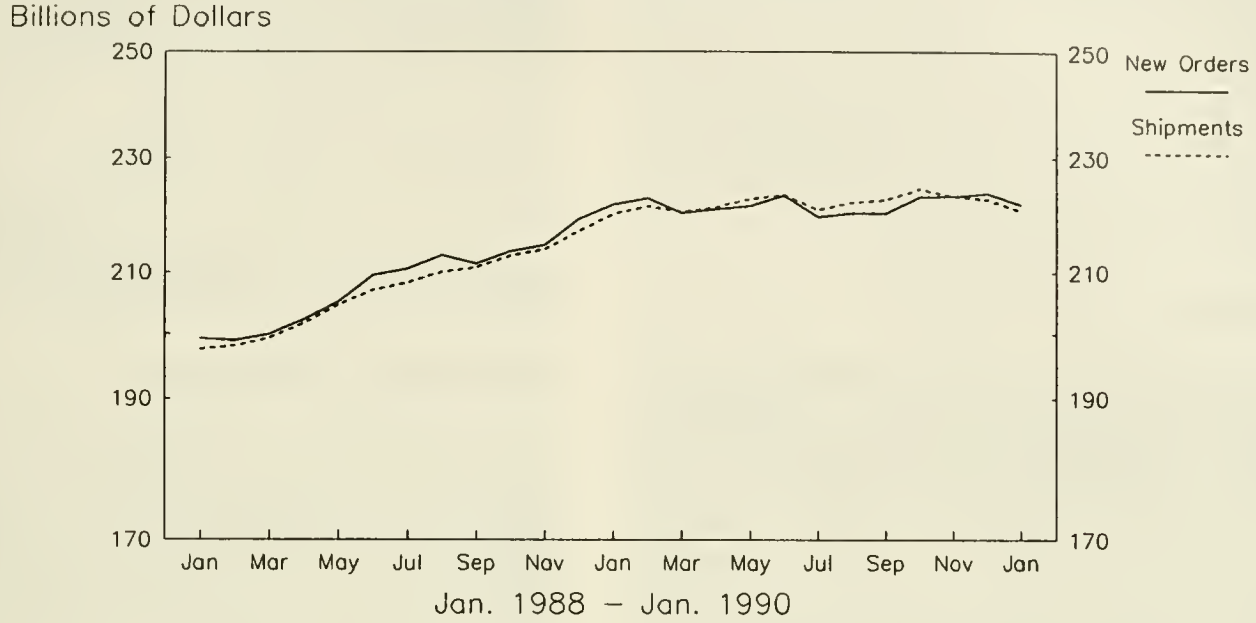


Total Manufacturing
Ratios of Unfilled Orders and
Inventories to Shipments

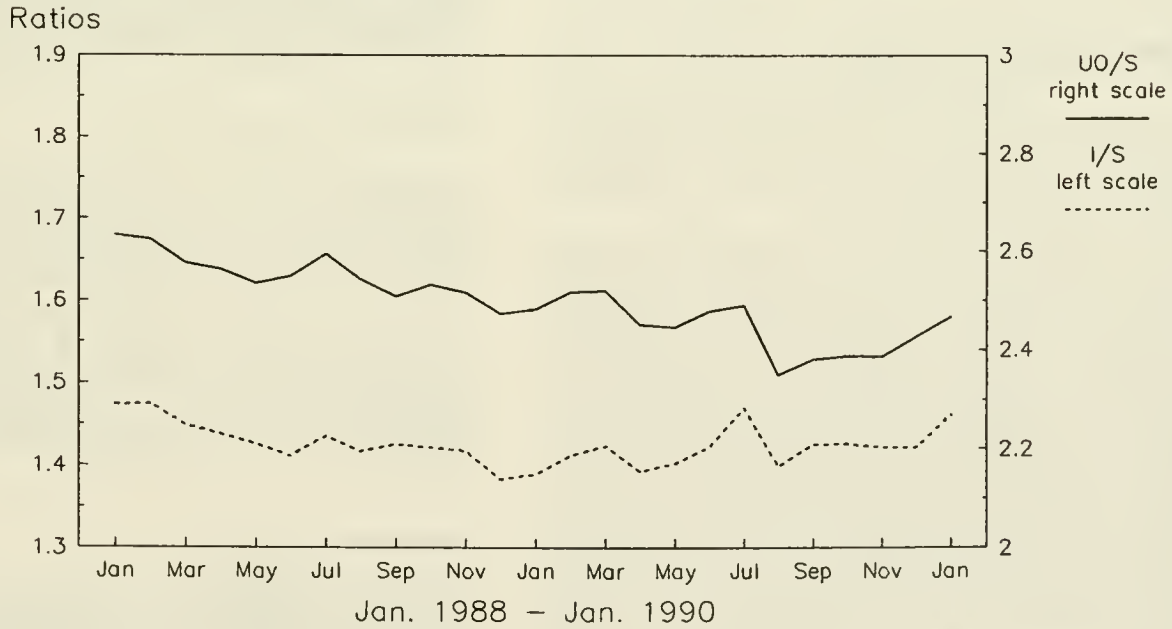


Note: All Charts based on seasonally adjusted current dollars.

Total Manufacturing Excluding Aircraft
New Orders and Shipments
Three Month Moving Averages



Total Manufacturing Excluding Aircraft
Ratios of Unfilled Orders and
Inventories to Shipments



Note: All Charts based on seasonally adjusted current dollars.

DESCRIPTION OF SURVEY

The Manufacturers' Shipments, Inventories, and Orders survey provides broadbased monthly statistical data on economic conditions in the domestic manufacturing sector. It is designed to measure current industrial activity and to provide an indication of future business trends. The data are used extensively by the Executive Branch of the Government in developing economic, fiscal, and monetary policy; by the Bureau of Economic Analysis as components of the gross national product estimates; and by trade associations, corporate economists, and other members of the business community as an analytical tool in their assessment of the current and future economic condition of the country.

Composition of the Survey Panel

The monthly M3 survey panel includes all companies with $500 million or more in shipments in the 1982 Census of Manufactures. These companies account for over 60 percent of all manufacturers' shipments; those who report in the survey account for approximately 50 percent of shipments. An additional 2,500 smaller companies are also surveyed. These companies are concentrated in the more heterogeneous manufacturing categories to strengthen representation of individual industries. For firms whose total operations can be classified in a single M3 industry category, the reporting unit typically comprises all operations of the company. At the request of the Census Bureau, most large diversified companies file separate reports for divisions that operate in different industrial areas.

Each company or reporting unit of a company in the survey is classified into 1 of 79 industry categories for which separate estimates are made based on the major activity of the reporting unit. The survey methodology assumes that the month-to-month changes of the reporting units classified in each industry category effectively represent the month-to-month movements of the establishments in the SIC industries which make up the category.

Monthly Estimation Procedure

The monthly estimates of shipments, unfilled orders, and total inventories are derived for each industry category by multiplying the industry estimate for the previous month by the percentage change from the previous month for companies reporting in the current month.

When an individual company reports unusually large changes from the previous month, or when a particular company has unique data patterns differing substantially from the movement shown by the rest of the reporting panel, the company is isolated from the estimation procedure as follows: the data for the individual company are removed from the computation of the aggregate month-to-month percentage change and from the prior month's industry estimate; the modified percentage change is then applied to the reduced prior month's estimate, giving a current month's estimate of the entire industry excluding the company with the unusual month-to-month change; finally the isolated company's reported data are added to the modified current month's estimate to obtain the estimate for the entire industry. The effect of this procedure is to restrict the estimation for nonrespondents and firms not in the survey panel to the general trend of the industry. New orders are computed by adjusting the current month's shipments by the change in the backlog of orders. (New orders equal current month shipments plus current month unfilled orders minus prior month unfilled orders.) Thus, the estimate of new orders includes orders that are received and filled in the same month as well as orders that have not yet been filled. Also included are the effects of cancellations and modifications of previously reported orders.

Benchmark Procedure

The estimates of annual shipments and end-of-year inventories derived in the monthly survey are benchmarked through 1986 to the annual data compiled in the Census of Manufactures and in the Annual Survey of Manufactures. The end-of-year estimates for unfilled orders for 1986 are benchmarked to the 1986 MA-300, Unfilled Orders Sales Supplement.

The benchmarking procedure adjusts for differences that result from collecting the monthly data on a divisional basis as compared to the establishment basis in both the ASM and Census of Manufactures. Benchmarking also corrects for errors of estimation from the relatively small monthly sample and/or any reporting or processing errors that may not have been detected as part of the review of the monthly estimates. A detailed explanation of the benchmarking methodology appears in appendices C and D of the M3-1(88) Manufacturers' Shipments, Inventories, and Orders report, issued in August 1988.

Seasonal Adjustment Methodology

The monthly data are adjusted for seasonality at the most detailed level tabulated in the survey, using the X-11 ARIMA version of the Census Bureau's seasonal adjustment program. The seasonally adjusted estimates for shipments, unfilled orders, and total inventories for M3 industry categories are calculated by dividing the unadjusted estimates by seasonal adjustment factors computed by the X-11 ARIMA seasonal adjustment program. Fifteen series are not adjusted because of the absence of an identifiable seasonal pattern in the historical data. For these series, the unadjusted data are included in both the seasonally adjusted and unadjusted aggregates. Seasonally adjusted new orders are computed by adding to the current month's seasonally adjusted shipments the change in the seasonally adjusted unfilled orders between the current and the prior period.

Seasonal factors are calculated concurrently, that is, with the addition of each monthly observation. For information on specific measures used in the seasonal adjustment analysis, selection of options within the X-11 program for the individual industry series, and tests for the presence of seasonality, contact the Industry Division, Bureau of the Census, Washington, DC 20233, or call (301) 763-2502.

Trading Day Adjustment Factors

Variations in the rate of activity that arise from the existence of different numbers of trading days in the same month for different years can be an important cause of month-to-month irregular fluctuations. Variations in the length of the bookkeeping periods represented in reported data also cause fluctuations.

To minimize these disturbances, shipments data are adjusted for monthly trading day variations in the individual reports prior to tabulation. Data are adjusted to reflect manufacturing shipments for one-twelfth of a year, or a standard month of approximately 26 trading days. Trading day adjustments are reflected in both the seasonally adjusted and unadjusted published data.

Limitations of the Data

The monthly statistics in this survey are summarized to annual levels and benchmarked to the ASM, a probability sample survey of approximately 55,000 manufacturing plants. The last benchmark report was issued in August 1988. The benchmarking procedure adjusts for errors caused by using company or divisional level reports to estimate the monthly change for establishments. The use primarily of large companies to represent the month-to-month movement of all companies is also a potential source of error. Response and

processing errors might also be present, although virtually all of the significant errors of this kind are detected through computer edits of the data prior to tabulation and through analytical review of the data.

The revision rate table on page 7 of this report presents the average error in the month-to-month percent change between the preliminary estimates in this publication and the data tabulated approximately one month later which includes any additional reports received.

DEFINITION OF TERMS

Value of Shipments

The value of shipments reported in the M3 survey are based on sales or billings information from companies, net after discounts and allowances and exclusive of nonmanufacturing activities. They include sales to other companies, individuals, U.S. Government agencies and foreign customers. Sales by foreign subsidiaries are excluded. For industries where long term contracts are characteristic, the sales represent a combination of deliveries for the month and progress payments which are generally based on a percentage of completion basis.

Value of shipments data in the M3 survey are benchmarked to those reported in the ASM. In that survey, shipments represent net selling values, f.o.b. plant, after discounts and allowances and excluding freight charges and excise taxes. Multiestablishment companies report value information for each plant as if it were a separate economic unit.

For multiestablishment companies in the M3 survey, reports typically are not plant reports but are company or divisional level reports. The reported sales are used to calculate month-to-month changes which bring forward the plant based shipments for the industry category as estimated in the ASM.

The value of shipments figures developed from the ASM contain duplication at the all manufacturing and M3 industry category levels, since the products of some 4-digit SIC industries are used as materials by other industries within the same industry aggregate. The significance of the duplication within the specific M3 industry categories varies depending on their 4-digit industry composition. It is most pronounced in a few highly integrated industry areas, such as primary metals and motor vehicles and parts.

For multiestablishment companies, the M3 reports received each month typically are not plant reports but are company or divisional level reports that encompass groups of plants. The actual sales reported are usually net sales and receipts from customers and exclude the duplication of interplant transfers. The reported sales are used to calculate month-to-month changes which bring forward the plant-based shipments for the industry category as estimated in the ASM.

New Orders Received and Unfilled Orders

New orders are net of order cancellations received during the month. They include orders received and filled during the month as well as orders received for future delivery. They also include the value of contract changes which increase or decrease the value of the unfilled orders to which they relate. Orders are defined to include only those supported by binding legal documents such as signed contracts, letters of award, or letters of intent, although in some industries this definition may not be strictly applicable. In the case of letters of intent, the full amount of the sales value is included if the parties are in substantial agreement on the amount; otherwise, only the funds specifically authorized to be expended are included.

Unfilled orders include orders as defined above that have not been reflected as shipments. Generally, unfilled orders at the end of the reporting period are equal to unfilled orders at the beginning of the period plus net new orders received less net shipments.

Inventories

Since different methods of inventory valuation are used (LIFO, FIFO, and so forth), the definition of the value of aggregate inventories for all plants in an industry is not precise. Companies are requested to report their inventories according to the current cost valuation method they use. Companies valuing their inventories using a LIFO method are requested to report the value of their inventories prior to the adjustment or net of the reserve. The data are benchmarked to the pre-LIFO or current cost data in the ASM.

Inventory data also are requested from respondents by stage of fabrication, that is, finished goods, work in process, and raw materials and supplies. However, response to these inquiries is lower than for total inventories and are only tabulated at the 2-digit major SIC group level.

U.S. Department of Commerce
BUREAU OF THE CENSUS
Washington, D.C. 20233

Official Business
Penalty for Private Use, $300

POSTAGE AND FEES
U.S. DEPARTMENT OF COMM
COM

First Class Mail

PUBLICATION DATES FOR THE 1990 MONTHLY M3 SURVEY
MANUFACTURERS' SHIPMENTS, INVENTORIES, AND ORDERS

Report Covering	Advance Report Release Dates (8:30 a.m. release time)	Regular Report Release Dates (10:00 a.m. release time)
January 1990	Tues., Feb. 27	Tues., Mar. 6
February	Fri., Mar. 23	Fri., Mar. 30
March	Tues., Apr. 24	Wed., May 2
April	Wed., May 23	Thurs., May 31
May	Fri., June 22	Tues., July 3
June	Wed., July 25	Thur., Aug. 2
July	Thur., Aug. 23	Thurs., Aug. 30
August	Wed., Sept. 26	Wed., Oct. 3
September	Wed., Oct. 24	Wed., Oct. 31
October	Wed., Nov. 28	Wed., Dec. 5
November	Thur., Dec. 27	Fri., Jan. 4, 1991
December	Fri., Jan. 25, 1991	Tues., Feb. 5, 1991

3.158:M 3-1(90)-2
rent Industrial Reports,...

Manufacturers' Shipments, Inventories, and Orders

February 1990

M3-1-(90)-2
For Wire Transmissions 10:00 a.m. E.S.T. Friday, March 30, 1990

U. S. Department of Commerce
BUREAU OF THE CENSUS

(All figures in text are in seasonally adjusted current dollars)

Summary

New orders for manufactured goods in February increased $4.0 billion or 1.8 percent to $231.6 billion, the Department of Commerce, Bureau of the Census reported today. The increase partially offset the 5.5 percent decline in January.

Shipments in February were up $7.4 billion or 3.3 percent to $234.2 billion, following a 1.8 percent decline in January. A rebound by the motor vehicle industry accounted for over half of the February increase; the same industry caused most of the decline in January.

Unfilled orders declined $2.5 billion or 0.5 percent to $512.8 billion. This is the first decline in the order backlog since August 1989.

Inventories in February declined $0.5 billion or 0.1 percent to $373.9 billion. Inventories have been fluctuating since November following a 2 year upward trend. In December inventories declined 0.5 percent and in January increased 0.9 percent. The inventory to shipments ratio has similarly been fluctuating; in November the ratio was 1.60, in December 1.61, in January 1.65, and February 1.60.

New Orders

Both the durable and nondurable sectors had order increases in February. Durables were up $3.0 billion or 2.6 percent to $120.9 billion, with the increase concentrated in transportation equipment. Transportation was up $2.8 billion or 10.4 percent to $30.0 billion, a large increase in motor vehicles and parts and shipbuilding and tanks more than offset a large decline in aircraft and parts. Electrical machinery also increased, up $0.7 billion or 3.8 percent to $20.1 billion, following a 15.0 percent decline in January. Primary metals decreased $0.6 billion or 5.5 percent to $10.8 billion, with both steel and nonferrous metals declining. Nonelectrical machinery was down $0.1 billion or 0.3 percent following a 3.2 percent increase in January.

New orders for nondurables were up $1.0 billion or 0.9 percent to $110.7 billion; the largest increases were in food products and printing and publishing.

Shipments

Shipments of durable goods in February were up $6.5 billion or 5.5 percent to $123.2 billion, more than offsetting the 4.3 percent decline in January. Transportation equipment accounted for $5.4 billion of the February increase, $4.8 billion of which was in motor vehicles and parts. Electrical machinery was up $0.7 billion or 3.6 percent to $20.6 billion and nonelectrical up $0.2 billion or 0.8 percent to $22.4 billion. Primary metals declined $0.2 billion or 1.7 percent to $11.1 billion.

Shipments of nondurables were up $1.0 billion or 0.9 percent to $111.0 billion; increases in foods, chemicals, and printing and publishing more than offset declines in apparel, petroleum and tobacco products.

Unfilled Orders

Unfilled orders for durable goods in February declined $2.3 billion or 0.5 percent to $493.1 billion. This is the first decline in the order backlog since August and only the second since early 1987.

Nearly all major industries were down in February. Transportation equipment decreased $0.8 billion or 0.3 percent to $263.6 billion; a decline in aircraft and parts more than offset an increase in shipbuilding and tanks. Electrical machinery declined $0.5 billion or 0.6 percent to $93.3 billion, mostly due to communication equipment. Primary metals were down $0.3 billion or 1.4 percent to $22.3 billion, with both steel and nonferrous declining.

Inventories

The $0.7 billion decline in durable goods inventories was mainly attributable to the $0.5 billion or 0.7 percent decline in transportation equipment. Within transportation, aircraft and parts and motor vehicles and parts each declined $0.3 billion. Nondurable goods inventories were up $0.2 billion or 0.2 percent. Increases in tobacco, apparel and chemicals more than offset declines in the other industries.

By stage of fabrication for durable goods, materials and supplies and work in process declined 0.7 percent and 0.8 percent respectively and finished goods increased 1.1 percent. For nondurable goods, work in process declined 0.5 percent, finished goods increased 0.5 percent and materials and supplies showed no change.

Scheduled Release Dates

The advance report on durable goods for March is scheduled for April 24, 1990 at 8:30 a.m. and the full report on May 2, 1990 at 10:00 a.m.

Address inquiries concerning these figures to U.S. Department of Commerce, Bureau of the Census, Industry Division, Washington, DC 20233 or call Ruth Runyan or Kathleen Menth, (301) 763-2502 or (301) 763-2512.
For sale by the Superintendent of Documents, U.S. Government Printing Office, Washington, DC 20402. This report is also available the day of issue through the Department of Commerce's online Economic Bulletin Board (N-8-1) (202-377-3870) and through the Census Bureau's online information service-CENDATA. CENDATA is available from Dialog Information Services, INC. (1-800-334-2464) and CompuServe (1-800-848-8199). The CENDATA staff at the Bureau of the Census (301-763-2074) can provide content information and general guidance.

Table 1. **VALUE OF MANUFACTURERS' SHIPMENTS FOR INDUSTRY GROUPS, MARKET CATEGORIES AND SUPPLEMENTARY SERIES**
(Millions of dollars)

Industry	Seasonally adjusted						Not seasonally adjusted[1]						
	Monthly			Percent Change			Monthly				Percent change	Year to date	
	Feb. 1990p	Jan. 1990r	Dec. 1989	Jan.-Feb.p	Dec.-Jan.r	Nov.-Dec.	Feb. 1990p	Jan. 1990r	Dec. 1989	Feb. 1989	Feb.90/89p	1990p	1989
All manufacturing industries	234,170	226,752	231,003	+3.3	-1.8	-0.8	234,051	207,320	228,665	229,134	+2.1	441,371	441,171
Manufacturing industries with unfilled orders	131,107	127,081	129,064	+3.2	-1.5	-0.1	130,807	114,147	131,463	125,897	+3.9	244,954	240,776
Durable goods industries	123,176	116,715	121,998	+5.5	-4.3	-1.0	123,492	104,025	122,669	121,870	+1.3	227,517	232,757
With unfilled orders	103,169	99,765	102,791	+3.4	-2.9	+1.1	102,730	88,352	105,714	98,703	+4.1	191,082	188,125
Stone, clay, and glass products	5,477	5,421	5,322	+1.0	+1.9	-2.0	5,172	4,772	4,648	5,064	+2.1	9,944	9,913
Primary metals	11,091	11,282	10,947	-1.7	+3.1	-4.8	11,402	10,771	10,107	12,905	-11.6	22,173	25,086
Blast furnaces, steel mills	4,544	4,563	4,401	-0.4	+3.7	-7.6	4,635	4,429	4,118	5,198	-10.8	9,064	10,266
Iron and steel foundries	778	764	752	+1.8	+1.6	-3.6	802	706	635	915	-12.3	1,508	1,754
Nonferrous and other primary metals	5,769	5,955	5,794	-3.1	+2.8	-2.7	5,965	5,636	5,354	6,792	-12.2	11,601	13,066
Fabricated metal products	13,966	13,571	13,943	+2.9	-2.7	-1.2	14,180	12,129	12,713	13,210	+7.3	26,309	24,981
Machinery, except electrical	22,390	22,211	22,206	+0.8	0.0	-0.7	21,710	19,119	24,448	21,421	+1.3	40,829	40,033
Engines and turbines	1,366	1,319	1,422	+3.6	-7.2	+9.7	1,334	1,192	1,845	1,463	-8.8	2,526	2,644
Construction, mining and material handling equipment	3,164	3,049	2,996	+3.8	+1.8	-0.1	3,113	2,684	2,851	2,617	+19.0	5,797	5,039
Metalworking machinery	1,035	1,048	1,081	-1.2	-3.1	+5.0	1,022	862	1,197	1,007	+1.5	1,884	1,804
Office and computing machines	5,875	5,975	6,041	-1.7	-1.1	+5.9	5,164	4,405	8,432	4,717	+9.5	9,569	8,873
Electrical machinery	20,618	19,897	20,839	+3.6	-4.5	+4.2	20,479	17,600	21,890	19,078	+7.3	38,079	36,720
Electrical transmission and distribution equipment and industrial apparatus	2,539	2,470	2,477	+2.8	-0.3	+3.9	2,633	2,212	2,470	2,612	+0.8	4,845	4,883
Household appliances	1,691	1,618	1,789	+4.5	-9.6	+8.4	1,637	1,459	1,555	1,570	+4.3	3,096	3,004
Radio and TV	1,057	985	1,048	+7.3	-6.0	+1.8	959	844	1,010	891	+7.6	1,803	1,746
Communication equipment	7,094	6,793	7,113	+4.4	-4.5	+6.9	6,942	5,567	8,510	5,731	+21.1	12,509	11,051
Electronic components	4,922	4,900	5,010	+0.4	-2.2	+2.0	5,006	4,589	4,786	4,795	+4.4	9,595	9,283
Other electrical machinery	3,315	3,131	3,402	+5.9	-8.0	+1.1	3,302	2,929	3,559	3,479	-5.1	6,231	6,753
Transportation equipment	30,839	25,425	30,455	+21.3	-16.5	-2.2	32,187	22,706	31,435	32,477	-0.9	54,893	61,667
Motor vehicles and parts	18,484	13,734	18,357	+34.6	-25.2	-7.4	20,276	13,234	16,248	21,778	-6.9	33,510	41,936
Aircraft, missiles, and parts.	10,361	9,805	9,707	+5.7	+1.0	+5.5	9,954	7,749	12,593	8,516	+16.9	17,703	15,610
Shipbuilding and military tank vehicles	893	887	1,074	+0.7	-17.4	+10.5	876	746	1,452	952	-8.0	1,622	1,713
Instruments and related products	6,514	6,595	6,658	-1.2	-0.9	+1.4	6,372	6,010	6,871	6,138	+3.8	12,382	11,968
Scientific and engineering instruments	4,344	4,418	4,383	-1.7	+0.8	-1.0	4,309	4,147	4,520	4,141	+4.1	8,456	8,127
All other durable goods	12,281	12,313	11,628	-0.3	+5.9	-4.0	11,990	10,918	10,557	11,577	+3.6	22,908	22,389
Nondurable goods industries	110,994	110,037	109,005	+0.9	+0.9	-0.6	110,559	103,295	105,996	107,264	+3.1	213,854	208,414
With unfilled orders	27,938	27,316	26,273	+2.3	+4.0	-4.7	28,077	25,795	25,749	27,194	+3.2	53,872	52,651
Food and kindred products	33,242	32,553	32,776	+2.1	-0.7	-0.2	33,019	30,408	32,360	31,572	+4.6	63,427	61,222
Dairy products	4,743	4,691	4,595	+1.1	+2.1	-2.1	4,686	4,442	4,446	4,118	+13.8	9,128	8,053
Beverages	4,255	4,155	4,131	+2.4	+0.6	-2.5	3,859	3,669	3,682	3,806	+1.4	7,528	7,539
All other foods	15,543	15,321	15,332	+1.4	-0.1	-0.5	15,978	14,369	15,574	15,261	+4.7	30,347	29,245
Tobacco products	2,003	2,110	2,003	-4.8	+5.3	-6.1	1,703	1,366	2,527	1,574	+8.2	3,069	2,792
Textile mill products	5,191	5,255	4,818	-1.2	+9.1	-10.7	5,137	4,563	4,500	5,397	-4.8	9,700	10,139
Broadwoven fabrics	3,033	3,089	2,752	-1.8	+12.2	-14.7	3,033	2,736	2,708	3,305	-8.2	5,769	6,182
Paper and allied products	10,696	10,678	10,561	+0.2	+1.1	-4.1	10,985	10,543	10,105	11,036	-0.5	21,528	21,858
Pulp, paper etc.	4,603	4,550	4,481	+1.2	+1.5	-5.8	4,770	4,540	4,424	5,042	-5.4	9,310	9,946
Paperboard containers	2,697	2,741	2,733	-1.6	+0.3	-0.2	2,684	2,640	2,504	2,708	-0.9	5,324	5,268
All other paper products	3,396	3,387	3,347	+0.3	+1.2	-4.6	3,531	3,363	3,177	3,286	+7.5	6,894	6,644
Chemicals and allied products	21,234	21,089	21,327	+0.7	-1.1	+0.3	21,570	20,595	20,696	21,483	+0.4	42,165	42,336
Industrial chemicals, except pigments	5,792	5,574	5,115	+3.9	+9.0	-3.9	5,844	5,368	4,999	6,095	-4.1	11,212	11,937
Drugs, soaps, and toiletries	6,956	6,986	7,421	-0.4	-5.9	+4.5	7,019	7,082	7,469	6,502	+8.0	14,101	13,105
Other chemical products	5,648	5,655	5,743	-0.1	-1.5	+1.3	5,897	5,382	5,573	5,942	-0.8	11,279	11,474
Petroleum and coal products	12,654	12,849	12,211	-1.5	+5.2	+6.3	11,838	12,468	12,205	10,162	+16.5	24,306	20,206
Rubber and plastics products	7,549	7,478	7,651	+0.9	-2.3	+1.9	7,720	6,909	7,081	8,200	-5.9	14,629	16,085
All other nondurable goods	18,420	18,025	17,658	+2.2	+2.1	-1.6	18,587	16,443	16,522	17,840	+4.2	35,030	33,776
Market categories:													
Home goods and apparel	14,595	14,522	14,843	+0.5	-2.2	+0.7	14,854	12,503	12,551	15,068	-1.4	27,357	27,977
Consumer staples	47,256	46,704	47,144	+1.2	-0.9	+0.8	46,587	43,278	47,363	43,922	+6.1	89,865	85,133
Equipment and defense prod. except automotive	40,953	39,979	39,904	+2.4	+0.2	+1.8	39,650	33,864	45,778	36,096	+9.8	73,514	67,682
Automotive equipment	20,808	15,967	20,689	+30.3	-22.8	-6.8	22,447	15,265	18,224	24,048	-6.7	37,712	46,467
Construction materials, supplies and intermediate products	17,927	17,676	17,017	+1.4	+3.9	-3.9	17,069	15,393	15,149	16,525	+3.3	32,462	32,289
Other materials, supplies, and intermediate products	92,631	91,904	91,406	+0.8	+0.5	-0.9	93,444	87,017	89,600	93,475	0.0	180,461	181,623
Supplementary series:[2]													
Capital goods industries	44,854	43,676	44,759	+2.7	-2.4	+4.4	43,424	36,815	52,035	40,717	+6.6	80,239	76,382
Nondefense	36,618	35,179	34,961	+4.1	+0.6	+2.5	35,542	29,863	39,563	32,530	+9.3	65,405	60,975
Excluding aircraft and parts	30,738	30,065	30,695	+2.2	-2.1	+2.9	29,883	25,900	33,987	28,624	+4.4	55,783	53,747
Defense	8,236	8,497	9,798	-3.1	-13.3	+11.9	7,882	6,952	12,472	8,187	-3.7	14,834	15,407
Household durable goods industries	7,079	6,881	7,172	+2.9	-4.1	+2.5	7,047	5,882	6,435	6,889	+2.3	12,929	12,790

See footnotes at end of table 2.

Table 2. **VALUE OF MANUFACTURERS' NEW ORDERS FOR INDUSTRY GROUPS, MARKET CATEGORIES AND SUPPLEMENTARY SERIES**
(Millions of dollars)

Industry	Seasonally adjusted						Not seasonally adjusted[1]						
	Monthly			Percent Change			Monthly				Percent change	Year to date	
	Feb. 1990[p]	Jan. 1990[r]	Dec. 1989	Jan.-Feb.[p]	Dec.-Jan.[r]	Nov.-Dec.	Feb. 1990[p]	Jan. 1990[r]	Dec. 1989	Feb. 1989	Feb.90/89[p]	1990[p]	1989
All manufacturing industries	231,641	227,594	240,752	+1.8	-5.5	+0.4	233,916	213,850	239,124	235,462	-0.7	447,766	457,869
Manufacturing industries with unfilled orders	128,578	127,923	138,813	+0.5	-7.8	+2.0	130,672	120,677	141,922	132,225	-1.2	251,349	257,474
Durable goods industries	120,926	117,884	131,719	+2.6	-10.5	+1.2	123,426	110,325	133,398	128,116	-3.7	233,751	249,102
With unfilled orders	100,919	100,934	112,512	0.0	-10.3	+3.6	102,664	94,652	116,443	104,949	-2.2	197,316	204,470
Stone, clay, and glass products	5,378	5,265	5,386	+2.1	-2.2	-1.2	5,270	4,734	4,614	5,282	-0.2	10,004	10,156
Primary metals	10,766	11,389	10,932	-5.5	+4.2	-2.8	11,657	11,780	11,083	13,852	-15.8	23,437	27,314
Blast furnaces, steel mills	4,421	4,794	4,538	-7.8	+5.6	-2.2	4,935	5,182	4,807	5,912	-16.5	10,117	11,985
Iron and steel foundries	800	732	767	+9.3	-4.6	-1.8	831	781	617	944	-12.0	1,612	1,958
Nonferrous and other primary metals	5,545	5,863	5,627	-5.4	+4.2	-3.4	5,891	5,817	5,659	6,996	-15.8	11,708	13,371
Fabricated metal products	13,611	13,771	13,955	-1.2	-1.3	+1.1	13,874	12,423	12,881	13,658	+1.6	26,297	25,360
Machinery, except electrical	22,401	22,470	21,778	-0.3	+3.2	-4.0	21,972	20,166	23,649	21,940	+0.1	42,138	42,097
Engines and turbines	1,621	1,584	1,410	+2.3	+12.3	-7.8	1,506	1,417	1,730	1,736	-13.2	2,923	2,988
Construction, mining and material handling equipment	3,047	3,438	2,534	-11.4	+35.7	-16.4	2,935	3,025	2,719	2,677	+9.6	5,960	5,254
Metalworking machinery	983	958	1,131	+2.6	-15.3	+0.8	1,017	852	1,002	1,071	-5.0	1,869	2,023
Office and computing machines	5,748	5,841	5,876	-1.6	-0.6	+0.4	5,266	4,343	7,863	4,614	+14.1	9,609	8,872
Electrical machinery	20,095	19,363	22,774	+3.8	-15.0	+5.4	20,365	18,294	23,435	20,129	+1.2	38,659	38,297
Electrical transmission and distribution equipment and industrial apparatus	2,530	2,706	2,408	-6.5	+12.4	+0.1	2,679	2,553	2,365	2,723	-1.6	5,232	5,403
Communication equipment	6,548	5,783	9,016	+13.2	-35.9	+13.3	6,368	5,538	10,158	6,564	-3.0	11,906	11,905
Electronic components	4,753	5,008	5,075	-5.1	-1.3	+1.3	5,122	4,726	4,883	4,967	+3.1	9,848	9,241
Other electrical machinery	3,444	3,127	3,461	+10.1	-9.7	-0.9	3,475	2,883	3,575	3,346	+3.9	6,358	6,696
Transportation equipment	29,994	27,169	38,501	+10.4	-29.4	+4.7	31,850	25,489	40,474	35,547	-10.4	57,339	70,522
Aircraft, missiles, and parts.	9,032	11,744	16,287	-23.1	-27.9	+9.3	9,069	10,632	20,340	10,611	-14.5	19,701	23,539
Shipbuilding and military tank vehicles	1,671	695	2,618	140.4	-73.5	228.9	1,637	534	2,682	1,526	+7.3	2,171	1,966
Instruments and related products	6,707	6,601	6,853	+1.6	-3.7	+5.3	6,410	6,232	7,152	5,839	+9.8	12,642	11,751
Scientific and engineering instruments	4,566	4,461	4,570	+2.4	-2.4	+5.2	4,373	4,355	4,797	3,840	+13.9	8,728	7,955
All other durable goods	11,974	11,856	11,540	+1.0	+2.7	-4.7	12,028	11,207	10,110	11,869	+1.3	23,235	23,605
Nondurable goods industries	110,715	109,710	109,033	+0.9	+0.6	-0.5	110,490	103,525	105,726	107,346	+2.9	214,015	208,767
With unfilled orders	27,659	26,989	26,301	+2.5	+2.6	-4.3	28,008	26,025	25,479	27,276	+2.7	54,033	53,004
Market categories:													
Home goods and apparel	14,071	14,003	14,958	+0.5	-6.4	+1.0	14,863	13,324	12,081	15,351	-3.2	28,187	29,751
Consumer staples	47,235	46,661	47,084	+1.2	-0.9	+0.6	46,538	43,260	47,342	43,880	+6.1	89,798	85,086
Equipment and defense prod. except automotive	39,667	41,874	49,545	-5.3	-15.5	+11.3	38,737	37,818	56,577	40,268	-3.8	76,555	77,274
Automotive equipment	20,583	15,963	20,669	+28.9	-22.8	-7.0	22,303	15,376	18,344	24,242	-8.0	37,679	46,710
Construction materials, supplies and intermediate products	17,428	17,696	17,341	-1.5	+2.0	-1.3	16,772	15,523	15,553	16,623	+0.9	32,295	32,374
Other materials, supplies, and intermediate products	92,657	91,397	91,155	+1.4	+0.3	-2.8	94,703	88,549	89,227	95,098	-0.4	183,252	186,674
Supplementary series:													
Capital goods industries	43,934	44,821	54,159	-2.0	-17.2	+8.0	43,252	40,667	61,560	45,360	-4.6	83,919	88,741
Nondefense	36,034	38,332	44,389	-6.0	-13.6	+14.1	35,312	34,107	48,244	37,048	-4.7	69,419	73,346
Excluding aircraft and parts	30,819	30,144	31,445	+2.2	-4.1	+3.3	30,318	27,070	33,990	29,778	+1.8	57,388	57,200
Defense	7,900	6,489	9,770	+21.7	-33.6	-13.3	7,940	6,560	13,316	8,312	-4.5	14,500	15,395
Household durable goods industries	6,750	6,564	7,117	+2.8	-7.8	+1.8	7,070	6,616	6,035	7,051	+0.3	13,686	14,144

[p] Preliminary. [r] Revised.

[1]Shipments and new orders are the totals for the period and are adjusted for trading-day and calendar-month variations; unfilled orders and inventories are as of the end of the period and are not adjusted for trading-day or calendar-month variations.

[2]The supplementary series are regroupings of the separate industry categories:

Nondefense capital goods include machinery, except electrical (excluding farm machinery and equipment and machine shops); electrical machinery (excluding household appliances, radio and TV, and electronic components); railroad equipment; and the nondefense portions of ordnance; communication equipment; aircraft, missiles and parts; tanks, and shipbuilding, converting and repairing.

Defense capital goods include ordnance, communication equipment; aircraft, missiles and parts; tanks, and shipbuilding, converting and repairing.

Household durable goods industries include household furniture; kitchen articles and pottery; cutlery, handtools, and hardware; household appliances; radio and TV; ophthalmic goods; watches and clocks; and miscellaneous personal goods.

Table 3. **VALUE OF MANUFACTURERS' UNFILLED ORDERS FOR INDUSTRY GROUPS, MARKET CATEGORIES AND SUPPLEMENTARY SERIES**
(Millions of dollars)

Industry	Seasonally adjusted						Not seasonally adjusted[1]				
	Monthly			Percent Change			Monthly				Percent change
	Feb. 1990[p]	Jan. 1990[r]	Dec. 1989	Jan.-Feb.[p]	Dec.-Jan.[r]	Nov.-Dec.	Feb. 1990[p]	Jan. 1990[r]	Dec. 1989	Feb. 1989	Feb.90/89[p]
All manufacturing industries	512,812	515,341	514,499	-0.5	+0.2	+1.9	516,337	516,472	509,942	480,632	+7.4
Durable goods industries	493,115	495,365	494,196	-0.5	+0.2	+2.0	496,858	496,924	490,624	460,302	+7.9
Stone, clay, and glass products	5,093	5,192	5,348	-1.9	-2.9	+1.2	5,207	5,109	5,147	5,855	-11.1
Primary metals	22,292	22,617	22,510	-1.4	+0.5	-0.1	23,333	23,078	22,069	27,372	-14.8
Blast furnaces, steel mills	8,838	8,961	8,730	-1.4	+2.6	+1.6	9,607	9,307	8,554	12,444	-22.8
Iron and steel foundries	2,326	2,304	2,336	+1.0	-1.4	+0.6	2,375	2,346	2,271	2,384	-.4
Nonferrous and other primary metals	11,128	11,352	11,444	-2.0	-0.8	-1.4	11,351	11,425	11,244	12,544	-9.5
Fabricated metal products	25,395	25,750	25,550	-1.4	+0.8	0.0	25,400	25,706	25,412	28,571	-11.1
Machinery, except electrical	61,742	61,731	61,472	0.0	+0.4	-0.7	62,162	61,900	60,853	61,343	+1.3
Engines and turbines	7,035	6,780	6,515	+3.8	+4.1	-0.2	7,096	6,924	6,699	4,946	+43.5
Construction, mining and material handling equipment	9,258	9,375	8,986	-1.2	+4.3	-4.9	9,295	9,473	9,132	8,738	+6.4
Metalworking machinery	4,623	4,675	4,765	-1.1	-1.9	+1.1	4,517	4,522	4,532	4,801	-5.9
Office and computing machines	12,397	12,524	12,658	-1.0	-1.1	-1.3	12,347	12,245	12,307	13,069	-5.5
Electrical machinery	93,265	93,788	94,322	-0.6	-0.6	+2.1	94,071	94,185	93,491	93,967	+.1
Electrical transmission and distribution equipment and industrial apparatus	7,117	7,126	6,890	-0.1	+3.4	-1.0	7,198	7,152	6,811	7,368	-2.3
Communication equipment	65,612	66,158	67,168	-0.8	-1.5	+2.9	66,411	66,985	67,014	66,390	.0
Electronic components	14,236	14,405	14,297	-1.2	+0.8	+0.5	14,122	14,006	13,869	14,363	-1.7
Other electrical machinery	5,140	5,011	5,015	+2.6	-0.1	+1.2	5,089	4,916	4,962	4,607	+10.5
Transportation equipment	263,602	264,447	262,703	-0.3	+0.7	+3.2	265,212	265,549	262,766	221,322	+19.8
Aircraft, missiles, and parts.	225,389	226,718	224,779	-0.6	+0.9	+3.0	227,045	227,930	225,047	183,061	+24.0
Shipbuilding and military tank vehicles	28,169	27,391	27,583	+2.8	-0.7	+5.9	27,922	27,161	27,373	26,490	+5.4
Instruments and related products	14,776	14,583	14,577	+1.3	0.0	+1.4	14,780	14,742	14,520	14,483	+2.1
Scientific and engineering instruments	13,811	13,589	13,546	+1.6	+0.3	+1.4	13,852	13,788	13,580	13,475	+2.8
All other durable goods	6,950	7,257	7,714	-4.2	-5.9	-1.1	6,693	6,655	6,366	7,389	-9.4
Nondurable goods industries	19,697	19,976	20,303	-1.4	-1.6	+0.1	19,479	19,548	19,318	20,330	-4.2
Market categories:											
Home goods and apparel	7,636	8,160	8,679	-6.4	-6.0	+1.3	7,606	7,597	6,776	8,349	-8.9
Consumer staples	803	824	867	-2.5	-5.0	-6.5	812	861	879	797	+1.9
Equipment and defense prod. except automotive	329,325	330,611	328,716	-0.4	+0.6	+3.0	332,064	332,977	329,023	296,289	+12.1
Automotive equipment	7,448	7,673	7,677	-2.9	-0.1	-0.3	7,649	7,793	7,682	9,106	-16.0
Construction materials, supplies and intermediate products	13,510	14,009	13,989	-3.6	+0.1	+2.4	13,592	13,889	13,759	15,226	-10.7
Other materials, supplies, and intermediate products	154,090	154,064	154,571	0.0	-0.3	-0.2	154,614	153,355	151,823	150,865	+2.5
Supplementary series:											
Capital goods industries	398,827	399,747	398,602	-0.2	+0.3	+2.4	401,491	401,663	397,811	356,602	+12.6
Nondefense	233,751	234,335	231,182	-0.2	+1.4	+4.3	234,262	234,492	230,248	191,144	+22.6
Excluding aircraft and parts	92,514	92,433	92,354	+0.1	+0.1	+0.8	93,025	92,590	91,420	90,193	+3.1
Defense	165,076	165,412	167,420	-0.2	-1.2	0.0	167,229	167,171	167,563	165,458	+1.1
Household durable goods industries	5,453	5,782	6,099	-5.7	-5.2	-0.9	5,433	5,410	4,676	6,083	-10.7

See footnotes at end of table 2.

Table 4. **VALUE OF MANUFACTURERS' INVENTORIES FOR INDUSTRY GROUPS, MARKET CATEGORIES AND SUPPLEMENTARY SERIES**
(Millions of dollars)

Industry	Seasonally adjusted						Not seasonally adjusted[1]				
	Monthly			Percent Change			Monthly				Percent change
	Feb. 1990p	Jan. 1990r	Dec. 1989	Jan.-Feb.p	Dec.-Jan.r	Nov.-Dec.	Feb. 1990p	Jan. 1990r	Dec. 1989	Feb. 1989	Feb.90/89p
All manufacturing industries	373,907	374,439	371,082	-0.1	+0.9	-0.5	375,791	373,329	364,814	360,741	+4.2
Manufacturing industries with unfilled orders	260,970	261,638	259,125	-0.3	+1.0	-0.3	261,196	259,154	253,185	250,513	+4.3
Durable goods industries	247,571	248,300	246,222	-0.3	+0.8	-0.6	248,738	246,741	241,304	238,967	+4.1
With unfilled orders	229,249	229,839	227,786	-0.3	+0.9	-0.3	229,515	227,740	222,844	219,992	+4.3
Stone, clay, and glass products	7,768	7,768	7,800	0.0	-0.4	-0.4	7,911	7,727	7,653	7,738	+2.2
Primary metals	20,583	20,528	20,565	+0.3	-0.2	-0.9	20,692	20,648	20,483	20,813	-.6
Blast furnaces, steel mills	10,675	10,625	10,509	+0.5	+1.1	-0.6	10,611	10,682	10,568	10,217	+3.9
Iron and steel foundries	1,319	1,345	1,365	-1.9	-1.5	0.0	1,363	1,343	1,336	1,429	-4.6
Nonferrous and other primary metals	8,589	8,558	8,691	+0.4	-1.5	-1.3	8,718	8,623	8,579	9,167	-4.9
Fabricated metal products	23,987	23,966	23,303	+0.1	+2.8	-1.8	24,050	23,989	22,982	23,818	+1.0
Machinery, except electrical	48,292	48,332	48,061	-0.1	+0.6	-1.3	48,730	48,088	47,147	47,904	+1.7
Engines and turbines	2,981	3,009	2,930	-0.9	+2.7	-6.2	2,934	2,852	2,729	3,033	-3.3
Construction, mining and material handling equipment	7,605	7,603	7,480	0.0	+1.6	-0.5	7,734	7,652	7,426	7,833	-1.3
Metalworking machinery	3,144	3,152	3,175	-0.3	-0.7	+0.3	3,144	3,086	3,070	3,127	+.5
Office and computing machines	12,624	12,707	12,762	-0.7	-0.4	-2.5	12,649	12,493	12,524	12,287	+2.9
Electrical machinery	40,957	40,971	40,730	0.0	+0.6	-1.1	40,825	40,340	39,779	41,115	-.7
Electrical transmission and distribution equipment and industrial apparatus	5,169	5,168	5,180	0.0	-0.2	+0.9	5,188	5,145	5,067	5,160	+.5
Household appliances	2,920	2,944	2,903	-0.8	+1.4	-5.6	3,011	2,902	2,771	3,011	.0
Radio and TV	1,903	1,917	1,907	-0.7	+0.5	+6.5	1,821	1,805	1,798	1,543	+18.0
Communication equipment	16,069	16,027	15,878	+0.3	+0.9	-1.3	15,949	15,752	15,538	16,133	-1.1
Electronic components	8,580	8,594	8,595	-0.2	0.0	-2.1	8,597	8,557	8,519	8,859	-3.0
Other electrical machinery	6,316	6,321	6,267	-0.1	+0.9	-0.8	6,259	6,179	6,086	6,409	-2.3
Transportation equipment	73,234	73,770	72,845	-0.7	+1.3	+1.6	73,398	72,964	70,955	65,505	+12.0
Motor vehicles and parts	11,849	12,169	11,846	-2.6	+2.7	-3.8	12,325	12,599	11,794	12,693	-2.9
Aircraft, missiles, and parts.	56,526	56,851	56,470	-0.6	+0.7	+2.9	56,204	55,702	54,745	48,416	+16.1
Shipbuilding and military tank vehicles	2,562	2,526	2,405	+1.4	+5.0	+1.3	2,495	2,438	2,260	2,276	+9.6
Instruments and related products	14,167	14,205	14,017	-0.3	+1.3	-3.0	14,160	14,053	13,683	14,155	.0
Scientific and engineering instruments	10,411	10,453	10,319	-0.4	+1.3	-1.1	10,421	10,384	10,173	10,446	-.2
All other durable goods	18,583	18,760	18,901	-0.9	-0.7	-1.8	18,972	18,932	18,622	17,919	+5.9
Nondurable goods industries	126,336	126,139	124,860	+0.2	+1.0	-0.3	127,053	126,588	123,510	121,774	+4.3
With unfilled orders	31,721	31,799	31,339	-0.2	+1.5	-0.1	31,681	31,414	30,341	30,521	+3.8
Food and kindred products	26,315	26,357	26,342	-0.2	+0.1	+0.2	26,451	26,846	26,857	26,423	+.1
Dairy products	2,489	2,536	2,487	-1.9	+2.0	+2.1	2,479	2,518	2,434	2,486	-.3
Beverages	4,234	4,204	4,200	+0.7	+0.1	-1.7	4,281	4,251	4,209	4,381	-2.3
All other foods	15,567	15,581	15,500	-0.1	+0.5	-0.3	15,489	15,916	16,018	14,721	+5.2
Tobacco products	5,843	5,722	5,459	+2.1	+4.8	-1.7	6,158	6,135	5,724	5,763	+6.9
Textile mill products	8,623	8,552	8,153	+0.8	+4.9	+1.0	8,669	8,473	7,832	7,669	+13.0
Broadwoven fabrics	4,977	4,950	4,606	+0.5	+7.5	+0.1	5,027	4,940	4,471	4,449	+13.0
Paper and allied products	12,653	12,722	12,571	-0.5	+1.2	+0.1	12,755	12,752	12,461	12,053	+5.8
Pulp, paper etc.	4,979	4,996	4,980	-0.3	+0.3	-0.4	5,107	5,072	4,973	4,585	+11.4
Paperboard containers	3,250	3,304	3,254	-1.6	+1.5	+1.1	3,240	3,311	3,178	3,070	+5.5
All other paper products	4,424	4,422	4,337	0.0	+2.0	0.0	4,408	4,369	4,310	4,398	+.2
Chemicals and allied products	28,716	28,578	28,918	+0.5	-1.2	-1.2	29,266	28,746	28,713	28,353	+3.2
Industrial chemicals, except pigments	7,900	7,774	8,093	+1.6	-3.9	-1.4	8,074	7,820	7,994	7,782	+3.8
Drugs, soaps, and toiletries	9,789	9,824	9,756	-0.4	+0.7	-0.2	9,779	9,656	9,572	9,308	+5.1
Other chemical products	6,906	6,928	7,126	-0.3	-2.8	-3.5	7,065	7,105	7,113	7,130	-.9
Petroleum and coal products	11,239	11,277	10,440	-0.3	+8.0	+1.5	11,092	11,212	10,171	9,497	+16.8
Rubber and plastics products	10,372	10,427	10,542	-0.5	-1.1	-0.5	10,531	10,461	10,391	10,590	-.6
All other nondurable goods	22,575	22,504	22,435	+0.3	+0.3	-0.7	22,131	21,963	21,361	21,426	+3.3
Market categories:											
Home goods and apparel	28,068	28,024	27,766	+0.2	+0.9	-0.6	27,889	27,685	26,672	25,928	+7.6
Consumer staples	46,125	46,072	45,526	+0.1	+1.2	-0.4	46,473	46,611	45,774	44,675	+4.0
Equipment and defense prod. except automotive	114,326	114,916	114,147	-0.5	+0.7	+0.5	114,606	113,757	111,635	107,709	+6.4
Automotive equipment	14,885	15,147	14,818	-1.7	+2.2	-2.9	15,498	15,540	14,763	15,642	-.9
Construction materials, supplies and intermediate products	25,757	25,785	25,727	-0.1	+0.2	-1.0	26,168	25,947	25,355	25,483	+2.7
Other materials, supplies, and intermediate products	144,746	144,495	143,098	+0.2	+1.0	-0.9	145,157	143,789	140,615	141,304	+2.7
Supplementary series:[2]											
Capital goods industries	132,726	133,031	131,867	-0.2	+0.9	+0.5	132,483	130,944	128,346	123,632	+7.2
Nondefense	93,839	94,423	93,930	-0.6	+0.5	+0.9	94,143	93,406	91,674	88,335	+6.6
Excluding aircraft and parts	66,508	66,553	66,154	-0.1	+0.6	-1.1	66,684	65,820	64,563	65,670	+1.5
Defense	38,887	38,608	37,937	+0.7	+1.8	-0.5	38,340	37,538	36,672	35,297	+8.6
Household durable goods industries	13,604	13,663	13,531	-0.4	+1.0	-1.4	13,668	13,502	13,019	12,961	+5.5

See footnotes at end of table 2.

Table 5. **VALUE OF MANUFACTURERS' INVENTORIES, BY STAGE OF FABRICATION, BY INDUSTRY GROUP**
(Millions of dollars)

Industry	Seasonally adjusted						Not seasonally adjusted				
	Monthly			Percent Change			Monthly				Percent change
	Feb. 1990[p]	Jan. 1990[r]	Dec. 1989	Jan.-Feb.[p]	Dec.-Jan.[r]	Nov.-Dec.	Feb. 1990[p]	Jan. 1990[r]	Dec. 1989	Feb. 1989	Feb.90/89[p]
MATERIALS AND SUPPLIES											
All manufacturing industries	114,441	114,914	114,164	-0.4	+0.7	-0.8	115,042	115,790	114,619	114,356	+.6
Durable goods industries	67,627	68,102	67,375	-0.7	+1.1	-1.0	67,695	68,296	67,400	66,848	+1.3
Stone, clay, and glass products	2,575	2,617	2,631	-1.6	-0.5	-0.6	2,587	2,606	2,619	2,519	+2.7
Primary metals	6,443	6,430	6,408	+0.2	+0.3	-0.7	6,403	6,598	6,689	6,361	+.7
Fabricated metal products	8,615	8,670	8,612	-0.6	+0.7	-1.7	8,624	8,778	8,634	8,800	-2.0
Machinery, except electrical	12,723	12,843	12,581	-0.9	+2.1	-3.6	12,749	12,858	12,505	13,187	-3.3
Electrical machinery	11,305	11,346	11,165	-0.4	+1.6	-1.8	11,277	11,270	11,051	11,255	+.2
Transportation equipment	13,502	13,670	13,898	-1.2	-1.6	+3.0	13,470	13,541	13,834	12,958	+4.0
Instruments and related products	5,098	5,130	4,537	-0.6	+13.1	-0.6	5,114	5,110	4,445	4,835	+5.8
Lumber, furniture and miscellaneous durable goods	7,366	7,396	7,543	-0.4	-1.9	-2.2	7,471	7,535	7,623	6,933	+7.8
Nondurable goods industries	46,814	46,812	46,789	0.0	0.0	-0.6	47,347	47,494	47,219	47,508	-.3
Food and kindred products	8,671	8,595	8,667	+0.9	-0.8	-0.2	8,801	8,907	8,957	9,176	-4.1
Tobacco products	4,324	4,292	4,248	+0.7	+1.0	-1.3	4,547	4,683	4,665	4,340	+4.8
Textile mill products	2,521	2,555	2,421	-1.3	+5.5	+0.4	2,546	2,516	2,361	2,270	+12.2
Paper and allied products	6,812	6,845	6,788	-0.5	+0.8	-0.3	6,855	6,865	6,790	6,572	+4.3
Chemicals and allied products	10,120	10,073	10,204	+0.5	-1.3	-1.0	10,240	10,045	10,109	10,116	+1.2
Petroleum and coal products	2,595	2,699	2,670	-3.9	+1.1	+5.9	2,597	2,659	2,671	2,267	+14.6
Rubber and plastics products	3,853	3,828	3,904	+0.7	-1.9	-2.3	3,864	3,871	4,002	4,210	-8.2
Apparel, printing and publishing and leather goods	7,918	7,925	7,887	-0.1	+0.5	-1.9	7,897	7,948	7,664	8,557	-7.7
WORK IN PROCESS											
All manufacturing industries	138,897	139,943	138,228	-0.7	+1.2	0.0	138,819	138,056	134,172	129,596	+7.1
Durable goods industries	117,927	118,862	117,303	-0.8	+1.3	+0.2	117,899	117,059	113,897	110,118	+7.1
Stone, clay, and glass products	1,039	1,042	1,046	-0.3	-0.4	-3.1	1,071	1,047	994	1,160	-7.7
Primary metals	8,291	8,313	8,439	-0.3	-1.5	-1.4	8,314	8,299	8,277	8,527	-2.5
Fabricated metal products	8,277	8,368	8,025	-1.1	+4.3	-2.7	8,287	8,246	7,812	8,289	.0
Machinery, except electrical	20,237	20,795	20,488	-2.7	+1.5	+1.3	20,157	20,299	19,770	18,695	+7.8
Electrical machinery	19,122	19,085	19,167	+0.2	-0.4	-1.5	19,055	18,748	18,645	20,007	-4.8
Transportation equipment	51,926	52,186	51,060	-0.5	+2.2	+2.0	51,906	51,434	49,499	44,294	+17.2
Instruments and related products	5,268	5,306	5,383	-0.7	-1.4	-5.5	5,233	5,200	5,232	5,334	-1.9
Lumber, furniture and miscellaneous durable goods	3,767	3,767	3,695	0.0	+1.9	-1.8	3,876	3,786	3,668	3,756	+3.2
Nondurable goods industries	20,970	21,081	20,925	-0.5	+0.7	-1.0	20,920	20,997	20,275	19,534	+7.1
Food and kindred products	2,697	2,727	2,792	-1.1	-2.3	+1.0	2,689	2,777	2,787	2,691	-.1
Tobacco products	250	274	239	-8.8	+14.6	-4.4	252	312	250	284	-11.3
Textile mill products	2,614	2,600	2,533	+0.5	+2.6	+1.1	2,635	2,622	2,450	2,384	+10.5
Paper and allied products	1,380	1,360	1,358	+1.5	+0.1	+1.6	1,352	1,338	1,329	1,267	+6.7
Chemicals and allied products	4,792	4,788	4,885	+0.1	-2.0	+0.9	4,796	4,760	4,669	4,376	+9.6
Petroleum and coal products	3,201	3,191	3,027	+0.3	+5.4	+5.4	3,097	3,170	2,951	2,538	+22.0
Rubber and plastics products	1,397	1,423	1,399	-1.8	+1.7	-4.2	1,422	1,453	1,402	1,410	+.9
Apparel, printing and publishing and leather goods	4,639	4,718	4,692	-1.7	+0.6	-8.4	4,677	4,565	4,437	4,584	+2.0
FINISHED GOODS											
All manufacturing industries	120,569	119,582	118,690	+0.8	+0.8	-0.7	121,930	119,483	116,023	116,789	+4.4
Durable goods industries	62,017	61,336	61,544	+1.1	-0.3	-1.5	63,144	61,386	60,007	62,057	+1.8
Stone, clay, and glass products	4,154	4,109	4,123	+1.1	-0.3	+0.4	4,253	4,074	4,040	4,059	+4.8
Primary metals	5,849	5,785	5,718	+1.1	+1.2	-0.2	5,975	5,751	5,517	5,925	+.8
Fabricated metal products	7,095	6,928	6,666	+2.4	+3.9	-0.9	7,139	6,965	6,536	6,729	+6.1
Machinery, except electrical	15,332	14,694	14,992	+4.3	-2.0	-2.7	15,824	14,931	14,872	16,022	-1.2
Electrical machinery	10,530	10,540	10,398	-0.1	+1.4	+0.3	10,493	10,322	10,083	9,853	+6.5
Transportation equipment	7,806	7,914	7,887	-1.4	+0.3	-3.8	8,022	7,989	7,622	8,253	-2.8
Instruments and related products	3,801	3,769	4,097	+0.8	-8.0	-2.3	3,813	3,743	4,006	3,986	-4.3
Lumber, furniture and miscellaneous durable goods	7,450	7,597	7,663	-1.9	-0.9	-1.5	7,625	7,611	7,331	7,230	+5.5
Nondurable goods industries	58,552	58,246	57,146	+0.5	+1.9	+0.3	58,786	58,097	56,016	54,732	+7.4
Food and kindred products	14,947	15,035	14,883	-0.6	+1.0	+0.3	14,961	15,162	15,113	14,556	+2.8
Tobacco products	1,269	1,156	972	+9.8	+18.9	-2.7	1,359	1,140	809	1,139	+19.3
Textile mill products	3,488	3,397	3,199	+2.7	+6.2	+1.4	3,488	3,335	3,021	3,015	+15.7
Paper and allied products	4,461	4,517	4,425	-1.2	+2.1	+0.3	4,548	4,549	4,342	4,214	+7.9
Chemicals and allied products	13,804	13,717	13,829	+0.6	-0.8	-2.1	14,230	13,941	13,935	13,861	+2.7
Petroleum and coal products	5,443	5,387	4,743	+1.0	+13.6	-3.0	5,398	5,383	4,549	4,692	+15.0
Rubber and plastics products	5,122	5,176	5,239	-1.0	-1.2	+2.0	5,245	5,137	4,987	4,970	+5.5
Apparel, printing and publishing and leather goods	10,018	9,861	9,856	+1.6	+0.1	+4.5	9,557	9,450	9,260	8,285	+15.4

[p]Preliminary. [r]Revised.

Table 6 **RATIO OF MANUFACTURES' INVENTORIES TO SHIPMENTS AND UNFILLED ORDERS TO SHIPMENTS, BY INDUSTRY GROUP**
(Based on seasonally adjusted data)

Industry	Inventory / Shipments ratio				Unfilled Orders / Shipments ratio[1]			
	Feb. 1990P	Jan. 1990r	Dec. 1989	Nov. 1989	Feb. 1990P	Jan. 1990r	Dec. 1989	Nov. 1989
All manufacturing industries	1.60	1.65	1.61	1.60	3.91	4.06	3.99	3.91
Durable goods industries	2.01	2.13	2.02	2.01	4.78	4.97	4.81	4.76
Stone, clay, and glass products	1.42	1.43	1.47	1.44	1.01	1.05	1.10	1.06
Primary metals	1.86	1.82	1.88	1.80	2.01	2.00	2.06	1.96
Fabricated metal products	1.72	1.77	1.67	1.68	2.01	2.12	2.04	2.01
Machinery, except electrical	2.16	2.18	2.16	2.18	2.93	2.95	2.92	2.98
Electrical machinery	1.99	2.06	1.95	2.06	4.52	4.71	4.53	4.62
Transportation equipment	2.37	2.90	2.39	2.30	13.20	14.96	13.33	13.43
Instruments and related products	2.17	2.15	2.11	2.20	2.27	2.21	2.19	2.19
Nondurable goods industries	1.14	1.15	1.15	1.14	0.71	0.73	0.77	0.74
Food and kindred products	0.79	0.81	0.80	0.80	(X)	(X)	(X)	(X)
Tobacco products	2.91	2.71	2.73	2.60	(X)	(X)	(X)	(X)
Textile mill products	1.66	1.63	1.69	1.50	(NA)	(NA)	(NA)	(NA)
Paper and allied products	1.18	1.19	1.19	1.14	(NA)	(NA)	(NA)	(NA)
Chemicals and allied products	1.35	1.36	1.36	1.38	(X)	(X)	(X)	(X)
Petroleum and coal products	0.89	0.88	0.85	0.90	(X)	(X)	(X)	(X)
Rubber and plastics products	1.37	1.39	1.38	1.41	(X)	(X)	(X)	(X)

P Preliminary. r Revised. (X) Not applicable. (NA) Not available.

[1] Excludes the following industries with no unfilled orders. Wood and lumber products; glass containers; metal cans, barrels and drums; farm machinery and equipment; motor vehicle assembly operations; other transportation equipment; foods and related products; tobacco; apparel and related products; building paper; die-cut paper and board; chemicals; petroleum and coal products; and rubber and plastics products.

Table 7. **AVERAGE REVISIONS TO PREVIOUSLY PUBLISHED MONTHLY PERCENT CHANGES**
(Based on seasonally adjusted data)

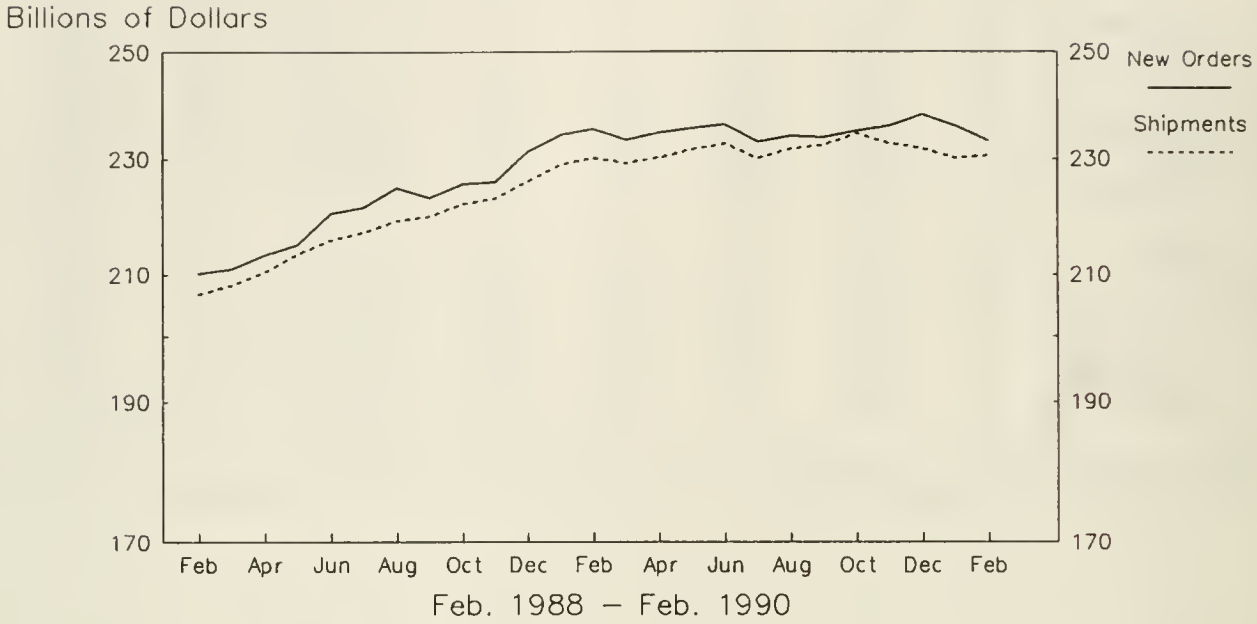
Industry	Shipments			New orders			Unfilled orders			Inventories		
	Feb. 1989	Feb.[1] 1985-1989	Feb. 1989-Jan. 1990	Feb. 1989	Feb.[1] 1985-1989	Feb. 1989-Jan. 1990	Feb. 1989	Feb.[1] 1985-1989	Feb. 1989-Jan. 1990	Feb. 1989	Feb.[1] 1985-1989	Feb. 1989-Jan. 1990
All manufacturing industries	0.3	0.3	0.2	0.3	0.3	0.3	0.0	0.1	0.1	0.1	0.1	0.1
Durable goods industries	0.1	0.4	0.2	0.1	0.4	0.5	0.1	0.1	0.1	0.0	0.1	0.1
Stone, clay, and glass products	0.0	0.7	0.6	0.1	0.9	0.7	0.1	0.7	0.5	0.0	0.3	0.2
Primary metals	0.0	0.6	0.3	0.4	0.3	0.8	0.2	0.3	0.4	0.1	0.3	0.1
Fabricated metal products	0.9	1.3	0.4	0.8	1.8	0.7	0.1	0.8	0.3	0.2	0.3	0.2
Machinery, except electrical	0.2	0.4	0.6	0.2	0.6	0.7	0.0	0.1	0.2	0.0	0.1	0.2
Electrical machinery	0.3	0.5	0.4	1.0	0.9	0.4	0.1	0.2	0.1	0.0	0.2	0.2
Transportation equipment	0.4	0.1	0.3	0.4	0.5	1.7	0.0	0.1	0.2	0.1	0.1	0.1
Instruments and related products	0.3	1.2	0.6	1.8	1.4	0.9	0.7	0.3	0.2	0.2	0.4	0.4
Nondurable goods industries	0.6	0.4	0.3	0.6	0.4	0.4	0.5	0.6	0.4	0.1	0.1	0.1
Food and kindred products	0.3	0.4	0.3	(X)	(X)	(X)	(X)	(X)	(X)	0.1	0.2	0.2
Tobacco products	1.9	1.1	0.5	(X)	(X)	(X)	(X)	(X)	(X)	0.4	0.2	0.1
Textile mill products	0.5	0.7	1.0	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	0.3	0.3	0.3
Paper and allied products	0.1	0.2	0.3	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	0.7	0.3	0.3
Chemicals and allied products	0.3	0.8	0.3	(X)	(X)	(X)	(X)	(X)	(X)	0.5	0.4	0.2
Petroleum and coal products	0.3	1.2	0.3	(X)	(X)	(X)	(X)	(X)	(X)	1.0	0.6	0.3
Rubber and plastics products	0.3	0.5	0.9	(X)	(X)	(X)	(X)	(X)	(X)	0.6	0.6	0.4
Capital goods industries:												
Nondefense	0.4	0.5	0.5	0.4	0.6	1.1	0.0	0.1	0.3	0.1	0.1	0.1
Defense	0.4	0.2	0.4	2.7	1.1	3.4	0.0	0.1	0.2	0.0	0.2	0.0

(X) Not applicable. (NA) Not available.

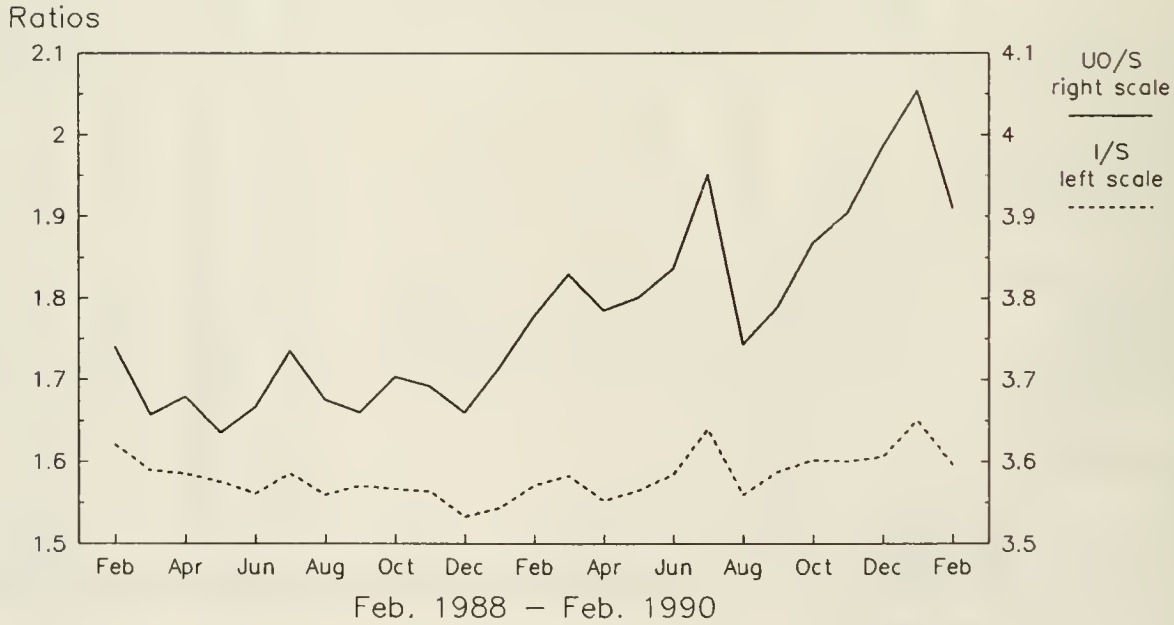
Note: The revisions are the differences between the month-to-month percent changes of the preliminary and final estimates. The monthly averages are the simple averages of the differences, without regard to sign, for the months specified. The advance to final percent change revisions for the durable goods industries are shown in the advance report for the month.

[1] Average for this month for the last five years.

Total Manufacturing
New Orders and Shipments
Three Month Moving Averages

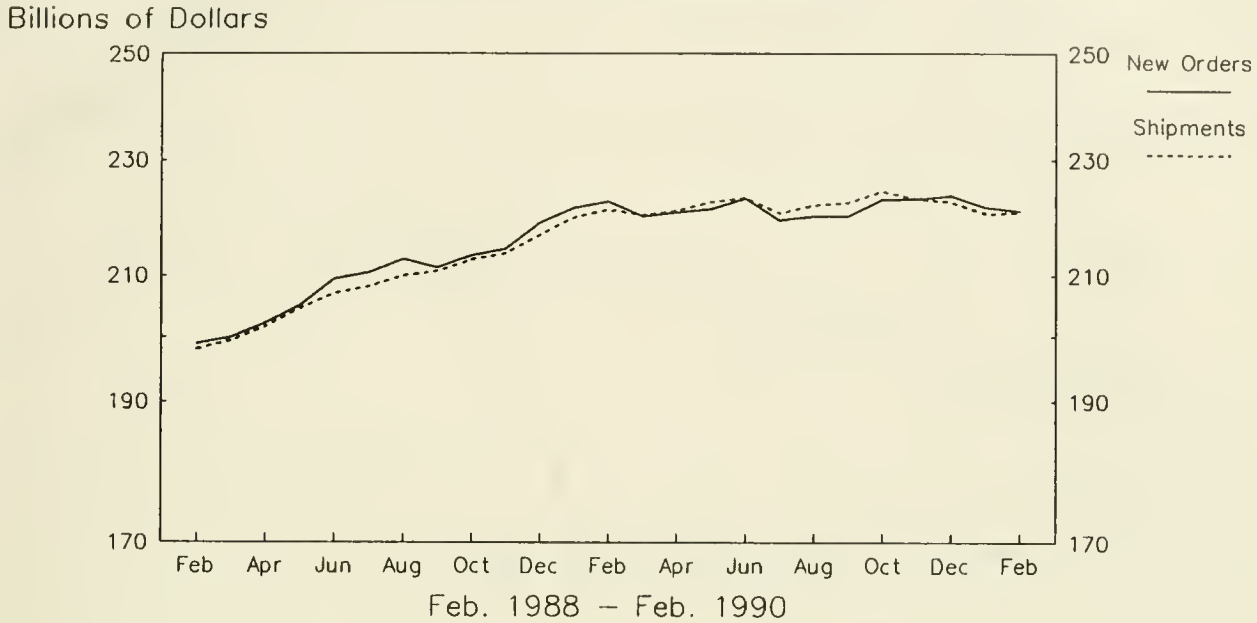


Total Manufacturing
Ratios of Unfilled Orders and
Inventories to Shipments

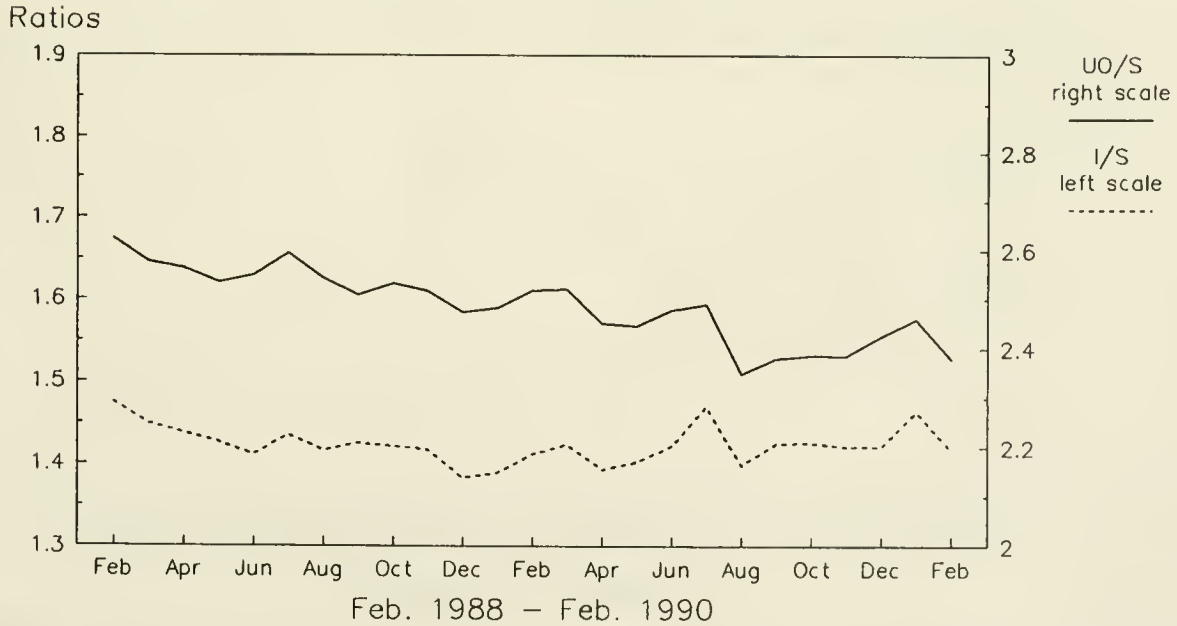


Note: All Charts based on seasonally adjusted current dollars.

Total Manufacturing Excluding Aircraft
New Orders and Shipments
Three Month Moving Averages

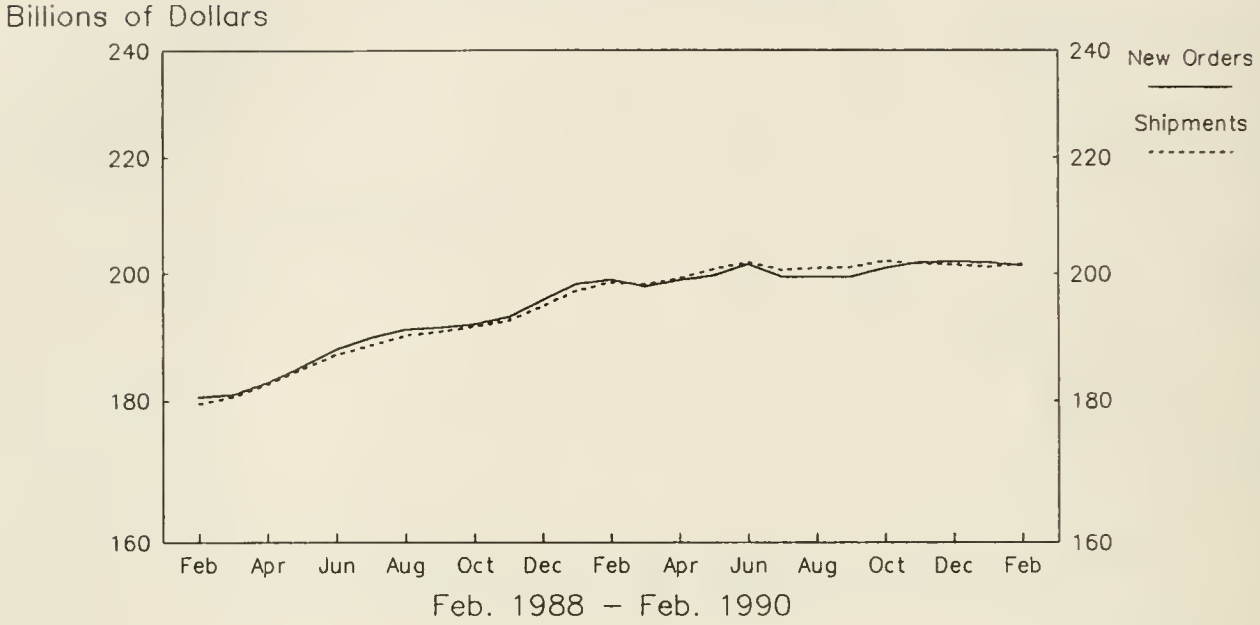


Total Manufacturing Excluding Aircraft
Ratios of Unfilled Orders and
Inventories to Shipments

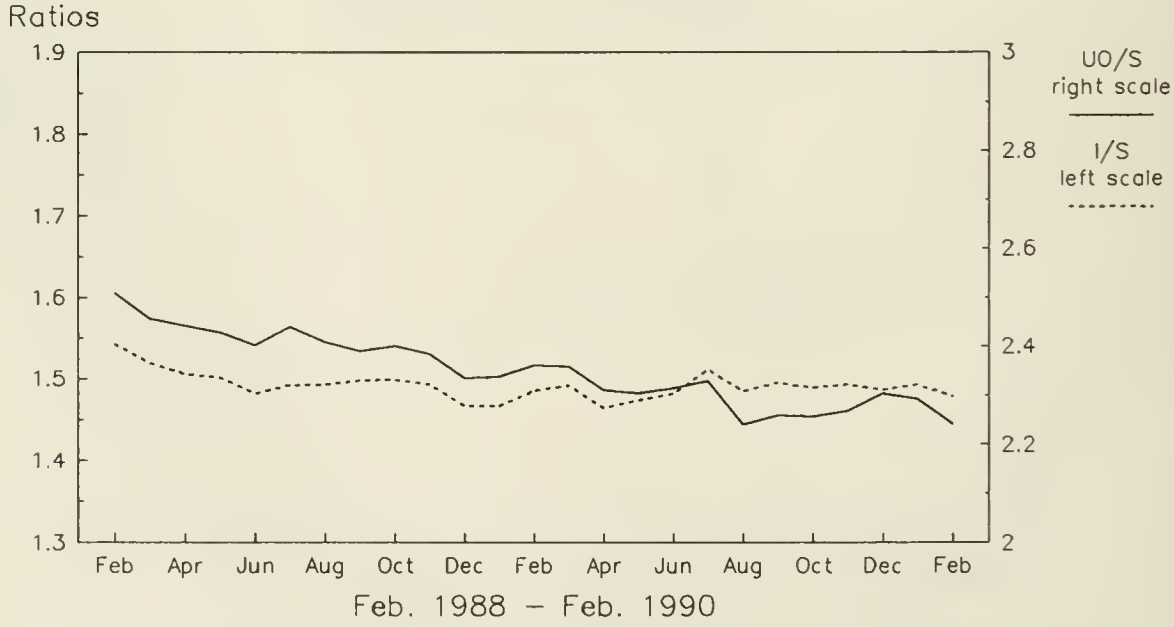


Note: All Charts based on seasonally adjusted current dollars.

Total Manufacturing Excluding Transportation
New Orders and Shipments
Three Month Moving Averages

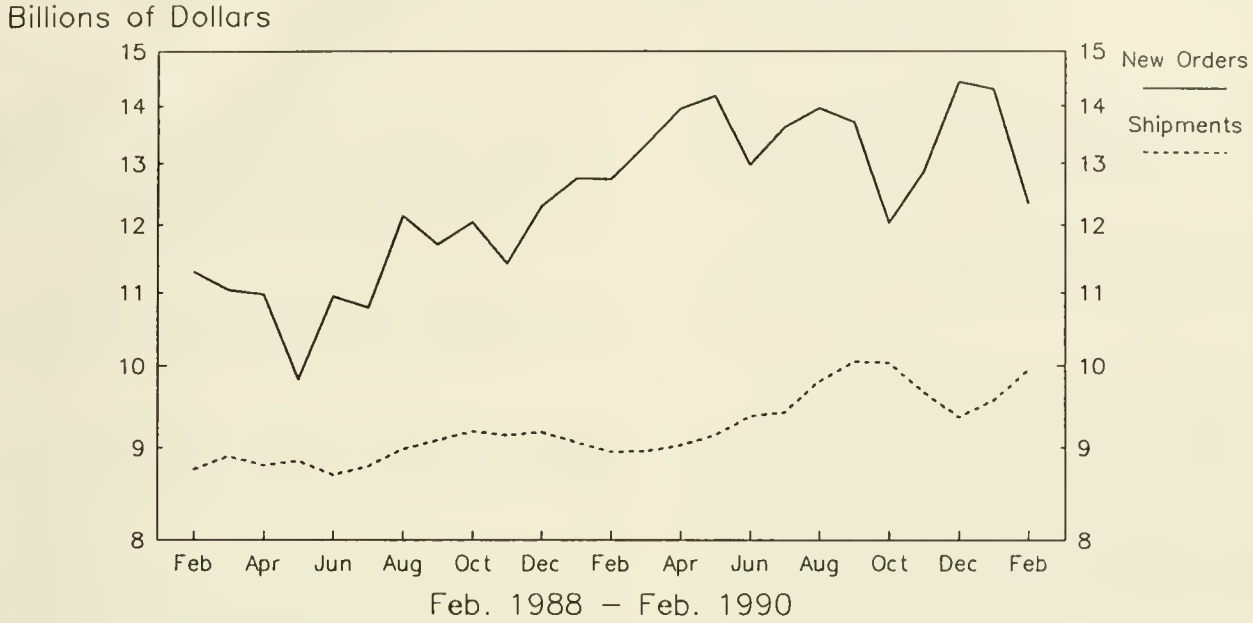


Total Manufacturing Excluding Transportation
Ratios of Unfilled Orders and
Inventories to Shipments

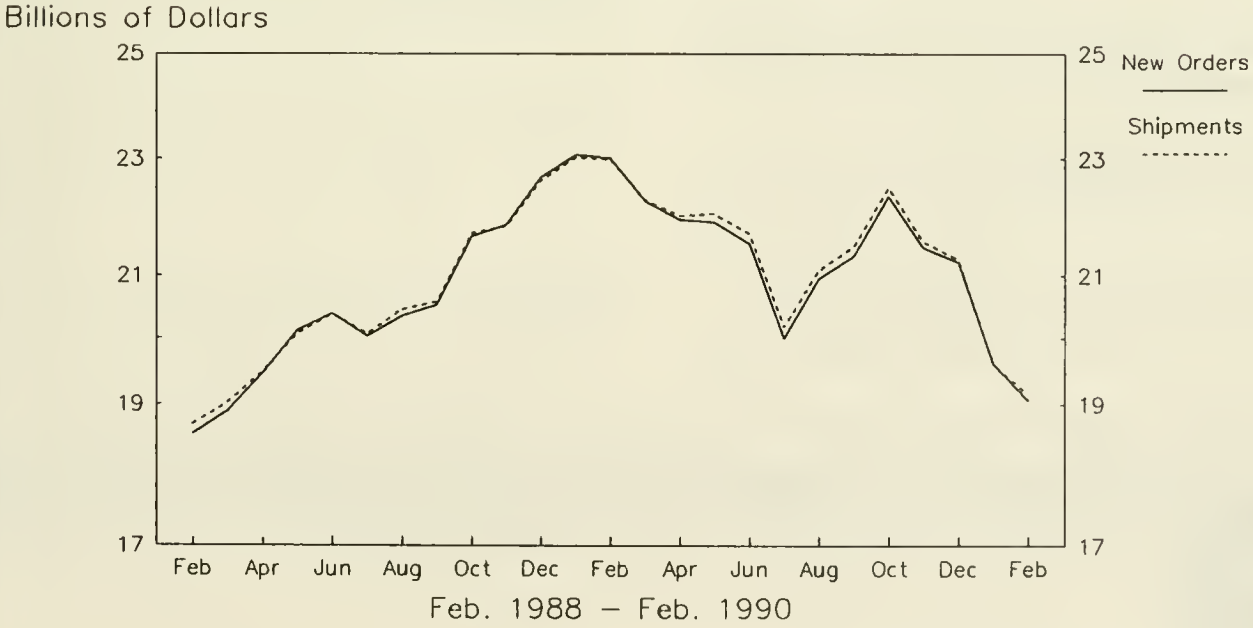


Note: All Charts based on seasonally adjusted current dollars.

Aircraft, Missiles and Parts
New Orders and Shipments
Three Month Moving Averages



Automotive Equipment
New Orders and Shipments
Three Month Moving Averages



Note: All Charts based on seasonally adjusted current dollars.

U.S. Department of Commerce
BUREAU OF THE CENSUS
Washington, D.C. 20233

Official Business
Penalty for Private Use, $300

U.S.MAIL

POSTAGE AND FEES PAI
U.S. DEPARTMENT OF COMMERC
COM-20

First Class Ma

3.158:M 3-1(90)-3
rent Industrial Reports,...

Manufacturers' Shipments, Inventories, and Orders

March 1990
M3-1-(90)-3
For Wire Transmissions 10:00 a.m. E.D.T. Wednesday, May 2, 1990

U. S. Department of Commerce
BUREAU OF THE CENSUS

(All figures in text are in seasonally adjusted current dollars)

Summary

New orders for manufactured goods in March increased $8.8 billion or 3.8 percent to $240.4 billion, the Department of Commerce, Bureau of the Census reported today. Consecutive monthly increases in February and March offset the sharp January decline, putting the level near the December high of $240.8 billion.

Shipments in March were up $2.5 billion or 1.1 percent to $236.8 billion, following a February gain of 3.4 percent. These are the first back-to-back increases since January 1989.

Unfilled orders in March were up $3.6 billion or 0.7 percent to $516.2 billion. The transportation industry accounted for the gain. Excluding transportation, unfilled orders decreased 0.5 percent.

Inventories in March declined $1.2 billion or 0.3 percent to $371.9 billion, the third decline in the last 4 months. The inventory to shipment ratio in March was 1.57, the lowest since the 1.56 in August 1989.

New Orders

Most of the new order increase was in the durable goods sector, up $7.9 billion or 6.6 percent to $128.7 billion. Transportation accounted for most of the gain, up $6.7 billion or 22.4 percent to $36.6 billion; aircraft and parts increased $5.8 billion or 63.2 percent to $14.9 billion. Most of the other major industries also increased, the largest being primary metals, up $0.8 billion or 7.3 percent to $11.7 billion. Fabricated metals increased $0.6 billion or 4.4 percent to $14.1 billion.

New orders for nondurable goods increased $0.8 billion or 0.8 percent to $111.7 billion; food and chemical products accounted for most of the increase.

Shipments

Shipments of durable goods in March increased $1.7 billion or 1.3 percent to $124.9 billion. Transportation equipment was up $1.0 billion or 3.3 percent to $31.9 billion; an increase in motor vehicles and parts of $1.6 billion or 8.6 percent more than offset a decline in aircraft and parts of $1.1 billion or 10.7 percent. Virtually, all of the other major durable goods industries also had increases.

Shipments of nondurable goods increased $0.8 billion or 0.7 percent to $111.9 billion. Food and chemical products had the largest increases, each up $0.4 billion.

Unfilled Orders

Unfilled orders for durable goods in March increased $3.8 billion or 0.8 percent to $496.8 billion. Transportation was up $4.8 billion or 1.8 percent to $268.3 billion; aircraft and parts accounted for the increase. The order backlog for both electrical and nonelectrical machinery were down slightly; electrical decreased $0.6 billion or 0.7 percent to $92.5 billion and nonelectrical $0.4 billion or 0.7 percent to $61.2 billion. Primary metals increased $0.3 billion or 1.5 percent to $22.7 billion.

Inventories

The decline in inventories was in the durable goods sector, down $1.6 billion or 0.6 percent to $245.5 billion. Decreases were widespread. Nonelectrical machinery was down $0.5 billion or 1.0 percent, electrical machinery, $0.2 billion or 0.6 percent, transportation equipment $0.3 billion or 0.4 percent and primary metals $0.3 billion or 1.3 percent.

Inventories in the nondurables sector increased $0.3 billion or 0.3 percent to $126.4 billion. The largest increases were in food and chemical products.

By stage of fabrication, work in process inventories were down 0.7 percent and finished goods 0.3 percent; materials and supplies were unchanged.

Scheduled Release Dates

The advance report on durable goods for April is scheduled for May 23, 1990 at 8:30 a.m. and the full report on May 31, 1990 at 10:00 a.m.

Address inquiries concerning these figures to U.S. Department of Commerce, Bureau of the Census, Industry Division, Washington, DC 20233 or call Ruth Runyan or Kathleen Menth, (301) 763-2502 or (301) 763-2512.
For sale by the Superintendent of Documents, U.S. Government Printing Office, Washington, DC 20402. This report is also available the day of issue through the Department of Commerce's online Economic Bulletin Board (N-8-1) (202-377-3870) and through the Census Bureau's online information service-CENDATA. CENDATA is available from Dialog Information Services, INC. (1-800-334-2464) and CompuServe (1-800-848-8199). The CENDATA staff at the Bureau of the Census (301-763-2074) can provide content information and general guidance.

JUN 29 1990

Table 1. **VALUE OF MANUFACTURERS' SHIPMENTS FOR INDUSTRY GROUPS, MARKET CATEGORIES AND SUPPLEMENTARY SERIES**
(Millions of dollars)

Industry	Seasonally adjusted						Not seasonally adjusted[1]						
	Monthly			Percent Change			Monthly				Percent change	Year to date	
	Mar. 1990P	Feb. 1990r	Jan. 1990r	Feb.-Mar.P	Jan.-Feb.r	Dec.-Jan.r	Mar. 1990P	Feb. 1990r	Jan. 1990r	Mar. 1989	Mar.90/89P	1990P	1989
All manufacturing industries	236,802	234,330	226,704	+1.1	+3.4	-1.9	248,811	233,943	207,266	238,698	+4.2	690,020	679,869
Manufacturing industries with unfilled orders	131,975	131,384	127,077	+0.4	+3.4	-1.5	140,325	130,685	114,135	133,044	+5.5	385,145	373,820
Durable goods industries	124,887	123,224	116,716	+1.3	+5.6	-4.3	134,091	123,396	104,013	128,704	+4.2	361,500	361,461
With unfilled orders	103,795	103,333	99,765	+0.4	+3.6	-2.9	111,697	102,562	88,340	105,984	+5.4	302,599	294,109
Stone, clay, and glass products	5,445	5,482	5,422	-0.7	+1.1	+1.9	5,556	5,179	4,772	5,221	+6.4	15,507	15,134
Primary metals	11,373	11,168	11,283	+1.8	-1.0	+3.1	12,065	11,441	10,771	13,075	-7.7	34,277	38,161
Blast furnaces, steel mills	4,679	4,565	4,561	+2.5	+0.1	+3.6	4,974	4,623	4,429	5,365	-7.3	14,026	15,631
Iron and steel foundries	791	765	764	+3.4	+0.1	+1.6	846	781	706	876	-3.4	2,333	2,630
Nonferrous and other primary metals	5,903	5,838	5,958	+1.1	-2.0	+2.8	6,245	6,037	5,636	6,834	-8.6	17,918	19,900
Fabricated metal products	14,160	13,837	13,570	+2.3	+2.0	-2.7	15,198	14,060	12,129	14,012	+8.5	41,387	38,993
Machinery, except electrical	23,023	22,449	22,213	+2.6	+1.1	0.0	25,403	21,730	19,119	24,125	+5.3	66,252	64,158
Engines and turbines	1,344	1,374	1,319	-2.2	+4.2	-7.2	1,524	1,334	1,192	1,606	-5.1	4,050	4,250
Construction, mining and material handling equipment	3,146	3,157	3,050	-0.3	+3.5	+1.8	3,363	3,106	2,684	2,903	+15.8	9,153	7,942
Metalworking machinery	1,080	1,028	1,047	+5.1	-1.8	-3.1	1,244	1,011	862	1,160	+7.2	3,117	2,964
Office and computing machines	6,091	5,912	5,977	+3.0	-1.1	-1.1	7,133	5,186	4,405	6,859	+4.0	16,724	15,732
Electrical machinery	20,222	20,593	19,900	-1.8	+3.5	-4.5	21,566	20,360	17,594	20,808	+3.6	59,520	57,528
Electrical transmission and distribution equipment and industrial apparatus	2,564	2,543	2,471	+0.8	+2.9	-0.2	2,781	2,634	2,212	2,670	+4.2	7,627	7,553
Household appliances	1,687	1,690	1,619	-0.2	+4.4	-9.5	1,778	1,636	1,459	1,718	+3.5	4,873	4,722
Radio and TV	1,040	1,060	986	-1.9	+7.5	-5.9	1,008	961	844	988	+2.0	2,813	2,734
Communication equipment	6,561	7,027	6,788	-6.6	+3.5	-4.6	7,258	6,821	5,561	6,982	+4.0	19,640	18,033
Electronic components	4,898	4,929	4,903	-0.6	+0.5	-2.1	5,207	5,014	4,589	5,087	+2.4	14,810	14,370
Other electrical machinery	3,472	3,344	3,133	+3.8	+6.7	-7.9	3,534	3,294	2,929	3,363	+5.1	9,757	10,116
Transportation equipment	31,851	30,843	25,429	+3.3	+21.3	-16.5	34,865	32,199	22,706	32,811	+6.3	89,770	94,478
Motor vehicles and parts	19,954	18,374	13,735	+8.6	+33.8	-25.2	21,784	20,272	13,234	20,518	+6.2	55,290	62,454
Aircraft, missiles, and parts.	9,359	10,475	9,808	-10.7	+6.8	+1.0	10,433	9,965	7,749	10,025	+4.1	28,147	25,635
Shipbuilding and military tank vehicles	1,101	887	887	+24.1	0.0	-17.4	1,097	874	746	932	+17.7	2,717	2,645
Instruments and related products	6,568	6,539	6,587	+0.4	-0.7	-1.1	6,943	6,399	6,004	6,535	+6.2	19,346	18,503
Scientific and engineering instruments	4,402	4,371	4,410	+0.7	-0.9	+0.6	4,693	4,336	4,141	4,323	+8.6	13,170	12,450
All other durable goods	12,245	12,313	12,312	-0.6	0.0	+5.9	12,495	12,028	10,918	12,117	+3.1	35,441	34,506
Nondurable goods industries	111,915	111,106	109,988	+0.7	+1.0	+0.9	114,720	110,547	103,253	109,994	+4.3	328,520	318,408
With unfilled orders	28,180	28,051	27,312	+0.5	+2.7	+4.0	28,628	28,123	25,795	27,060	+5.8	82,546	79,711
Food and kindred products	33,700	33,290	32,550	+1.2	+2.3	-0.7	34,460	32,989	30,408	32,928	+4.7	97,857	94,150
Dairy products	4,857	4,766	4,691	+1.9	+1.6	+2.1	4,920	4,703	4,442	4,276	+15.1	14,065	12,329
Beverages	4,325	4,284	4,155	+1.0	+3.1	+0.6	4,213	3,877	3,669	4,108	+2.6	11,759	11,647
All other foods	15,603	15,503	15,319	+0.6	+1.2	-0.1	16,570	15,905	14,369	15,824	+4.7	46,844	45,065
Tobacco products	1,988	2,017	2,111	-1.4	-4.5	+5.4	2,391	1,701	1,366	2,392	0.0	5,458	5,184
Textile mill products	5,165	5,208	5,254	-0.8	-0.9	+9.0	5,418	5,160	4,563	5,615	-3.5	15,141	15,754
Broadwoven fabrics	3,009	3,018	3,088	-0.3	-2.3	+12.2	3,175	3,023	2,736	3,415	-7.0	8,934	9,597
Paper and allied products	10,916	10,767	10,678	+1.4	+0.8	+1.1	11,177	11,015	10,543	11,098	+0.7	32,735	32,956
Pulp, paper etc.	4,705	4,618	4,551	+1.9	+1.5	+1.6	4,826	4,771	4,540	4,928	-2.1	14,137	14,874
Paperboard containers	2,691	2,704	2,741	-0.5	-1.3	+0.3	2,729	2,696	2,640	2,806	-2.7	8,065	8,074
All other paper products	3,520	3,445	3,386	+2.2	+1.7	+1.2	3,622	3,548	3,363	3,364	+7.7	10,533	10,008
Chemicals and allied products	21,458	21,088	21,045	+1.8	+0.2	-1.3	22,731	21,447	20,553	21,960	+3.5	64,731	64,296
Industrial chemicals, except pigments	5,709	5,765	5,600	-1.0	+2.9	+9.5	6,000	5,860	5,393	6,058	-1.0	17,253	17,995
Drugs, soaps, and toiletries	7,146	6,919	6,918	+3.3	0.0	-6.8	7,425	6,961	7,015	6,727	+10.4	21,401	19,832
Other chemical products	5,740	5,697	5,653	+0.8	+0.8	-1.6	6,010	5,951	5,382	5,803	+3.6	17,343	17,277
Petroleum and coal products	12,492	12,672	12,849	-1.4	-1.4	+5.2	11,846	11,908	12,468	10,611	+11.6	36,222	30,817
Rubber and plastics products	7,672	7,590	7,477	+1.1	+1.5	-2.3	8,111	7,704	6,909	8,162	-0.6	22,724	24,247
All other nondurable goods	18,524	18,474	18,024	+0.3	+2.5	+2.1	18,586	18,623	16,443	17,228	+7.9	53,652	51,004
Market categories:													
Home goods and apparel	14,547	14,622	14,525	-0.5	+0.7	-2.1	15,201	14,883	12,503	15,240	-0.3	42,587	43,217
Consumer staples	47,957	47,318	46,630	+1.4	+1.5	-1.1	49,256	46,541	43,211	46,003	+7.1	139,008	131,136
Equipment and defense prod. except automotive	40,483	41,044	39,973	-1.4	+2.7	+0.2	44,372	39,586	33,852	41,261	+7.5	117,810	108,943
Automotive equipment	22,332	20,716	15,967	+7.8	+29.7	-22.8	24,259	22,456	15,265	23,044	+5.3	61,980	69,511
Construction materials, supplies and intermediate products	17,579	17,761	17,677	-1.0	+0.5	+3.9	17,995	16,933	15,393	17,653	+1.9	50,321	49,942
Other materials, supplies, and intermediate products	93,904	92,869	91,932	+1.1	+1.0	+0.6	97,728	93,544	87,042	95,497	+2.3	278,314	277,120
Supplementary series:[2]													
Capital goods industries	44,564	44,984	43,680	-0.9	+3.0	-2.4	48,520	43,329	36,809	46,042	+5.4	128,658	122,424
Nondefense	36,110	36,826	35,187	-1.9	+4.7	+0.6	39,140	35,563	29,863	36,864	+6.2	104,566	97,839
Excluding aircraft and parts	31,505	30,891	30,071	+2.0	+2.7	-2.0	34,017	29,912	25,900	31,657	+7.5	89,829	85,404
Defense	8,454	8,158	8,493	+3.6	-3.9	-13.3	9,380	7,766	6,946	9,178	+2.2	24,092	24,585
Household durable goods industries	7,089	7,069	6,882	+0.3	+2.7	-4.0	7,585	7,031	5,882	7,330	+3.5	20,498	20,120

See footnotes at end of table 2.

Table 2. **VALUE OF MANUFACTURERS' NEW ORDERS FOR INDUSTRY GROUPS, MARKET CATEGORIES AND SUPPLEMENTARY SERIES**
(Millions of dollars)

Industry	Seasonally adjusted						Not seasonally adjusted[1]						
	Monthly			Percent Change			Monthly				Percent change	Year to date	
	Mar. 1990[p]	Feb. 1990[r]	Jan. 1990[r]	Feb.-Mar.[p]	Jan.-Feb.[r]	Dec.-Jan.[r]	Mar. 1990[p]	Feb. 1990[r]	Jan. 1990[r]	Mar. 1989	Mar.90/89[p]	1990[p]	1989
All manufacturing industries	240,367	231,617	227,572	+3.8	+1.8	-5.5	254,482	233,942	213,817	246,325	+3.3	702,241	704,194
Manufacturing industries with unfilled orders	135,540	128,671	127,945	+5.3	+0.6	-7.8	145,996	130,684	120,686	140,671	+3.8	397,366	398,145
Durable goods industries	128,695	120,782	117,909	+6.6	+2.4	-10.5	139,469	123,474	110,334	135,749	+2.7	373,277	384,851
With unfilled orders	107,603	100,891	100,958	+6.7	-0.1	-10.3	117,075	102,640	94,661	113,029	+3.6	314,376	317,499
Stone, clay, and glass products	5,279	5,374	5,264	-1.8	+2.1	-2.3	5,369	5,274	4,734	5,101	+5.3	15,377	15,257
Primary metals	11,706	10,910	11,393	+7.3	-4.2	+4.2	12,876	11,760	11,780	12,846	+0.2	36,416	40,160
Blast furnaces, steel mills	4,667	4,422	4,789	+5.5	-7.7	+5.5	4,895	4,929	5,182	4,800	+2.0	15,006	16,785
Iron and steel foundries	978	793	733	+23.3	+8.2	-4.4	1,034	810	781	869	+19.0	2,625	2,827
Nonferrous and other primary metals	6,061	5,695	5,871	+6.4	-3.0	+4.3	6,947	6,021	5,817	7,177	-3.2	18,785	20,548
Fabricated metal products	14,133	13,543	13,776	+4.4	-1.7	-1.3	15,288	13,855	12,423	13,908	+9.9	41,566	39,268
Machinery, except electrical	22,621	22,343	22,471	+1.2	-0.6	+3.2	24,778	21,970	20,166	24,304	+2.0	66,914	66,401
Engines and turbines	1,387	1,605	1,585	-13.6	+1.3	+12.4	1,366	1,506	1,417	1,466	-6.8	4,289	4,454
Construction, mining and material handling equipment	2,876	3,042	3,443	-5.5	-11.6	+35.9	3,257	3,003	3,025	3,391	-4.0	9,285	8,645
Metalworking machinery	1,082	928	958	+16.6	-3.1	-15.3	1,270	959	852	1,116	+13.8	3,081	3,139
Office and computing machines	6,118	5,798	5,839	+5.5	-0.7	-0.6	7,020	5,288	4,343	6,721	+4.4	16,651	15,593
Electrical machinery	19,594	19,921	19,378	-1.6	+2.8	-14.9	20,738	20,241	18,295	19,903	+4.2	59,274	58,200
Electrical transmission and distribution equipment and industrial apparatus	2,358	2,523	2,706	-6.5	-6.8	+12.4	2,536	2,674	2,553	2,684	-5.5	7,763	8,087
Communication equipment	6,212	6,336	5,787	-2.0	+9.5	-35.8	6,658	6,207	5,539	6,221	+7.0	18,404	18,126
Electronic components	4,907	4,752	5,015	+3.3	-5.2	-1.2	5,406	5,135	4,726	4,903	+10.3	15,267	14,144
Other electrical machinery	3,497	3,504	3,129	-0.2	+12.0	-9.6	3,546	3,505	2,883	3,490	+1.6	9,934	10,186
Transportation equipment	36,638	29,923	27,171	+22.4	+10.1	-29.4	40,562	31,852	25,489	40,392	+0.4	97,903	110,914
Aircraft, missiles, and parts.	14,866	9,109	11,747	+63.2	-22.5	-27.9	16,892	9,070	10,632	17,551	-3.8	36,594	41,090
Shipbuilding and military tank vehicles	858	1,653	696	-48.1	137.5	-73.4	817	1,635	534	827	-1.2	2,986	2,793
Instruments and related products	6,572	6,715	6,602	-2.1	+1.7	-3.7	6,915	6,430	6,240	6,553	+5.5	19,585	18,304
Scientific and engineering instruments	4,372	4,580	4,462	-4.5	+2.6	-2.4	4,597	4,393	4,363	4,286	+7.3	13,353	12,241
All other durable goods	12,152	12,053	11,854	+0.8	+1.7	+2.7	12,943	12,092	11,207	12,742	+1.6	36,242	36,347
Nondurable goods industries	111,672	110,835	109,663	+0.8	+1.1	+0.6	115,013	110,468	103,483	110,576	+4.0	328,964	319,343
With unfilled orders	27,937	27,780	26,987	+0.6	+2.9	+2.6	28,921	28,044	26,025	27,642	+4.6	82,990	80,646
Market categories:													
Home goods and apparel	14,086	14,098	14,006	-0.1	+0.7	-6.4	15,191	14,895	13,324	15,814	-3.9	43,410	45,565
Consumer staples	47,957	47,298	46,588	+1.4	+1.5	-1.1	49,238	46,495	43,193	45,977	+7.1	138,926	131,063
Equipment and defense prod. except automotive	44,638	39,536	41,891	+12.9	-5.6	-15.4	48,194	38,603	37,827	45,283	+6.4	124,624	122,557
Automotive equipment	22,139	20,486	15,960	+8.1	+28.4	-22.8	24,061	22,333	15,376	23,011	+4.6	61,770	69,721
Construction materials, supplies and intermediate products	17,383	17,238	17,698	+0.8	-2.6	+2.1	17,886	16,630	15,523	17,599	+1.6	50,039	49,973
Other materials, supplies, and intermediate products	94,164	92,961	91,429	+1.3	+1.7	+0.3	99,912	94,986	88,574	98,641	+1.3	283,472	285,315
Supplementary series:													
Capital goods industries	48,667	43,770	44,835	+11.2	-2.4	-17.2	53,024	43,116	40,668	53,007	0.0	136,808	141,748
Nondefense	41,294	36,094	38,347	+14.4	-5.9	-13.6	43,901	35,293	34,107	40,629	+8.1	113,301	113,975
Excluding aircraft and parts	30,875	30,835	30,157	+0.1	+2.2	-4.1	32,964	30,318	27,070	32,051	+2.8	90,352	89,251
Defense	7,373	7,676	6,488	-3.9	+18.3	-33.6	9,123	7,823	6,561	12,378	-26.3	23,507	27,773
Household durable goods industries	6,840	6,743	6,566	+1.4	+2.7	-7.7	7,702	7,083	6,616	7,781	-1.0	21,401	21,925

[p] Preliminary. [r] Revised.

[1] Shipments and new orders are the totals for the period and are adjusted for trading-day and calendar-month variations; unfilled orders and inventories are as of the end of the period and are not adjusted for trading-day or calendar-month variations.

[2] The supplementary series are regroupings of the separate industry categories:

Nondefense capital goods include machinery, except electrical (excluding farm machinery and equipment and machine shops); electrical machinery (excluding household appliances, radio and TV, and electronic components); railroad equipment; and the nondefense portions of ordnance; communication equipment; aircraft, missiles and parts; tanks, and shipbuilding, converting and repairing.

Defense capital goods include ordnance; communication equipment; aircraft, missiles and parts; tanks, and shipbuilding, converting and repairing.

Household durable goods industries include household furniture; kitchen articles and pottery; cutlery, handtools, and hardware; household appliances; radio and TV; ophthalmic goods; watches and clocks; and miscellaneous personal goods.

Table 3. **VALUE OF MANUFACTURERS' UNFILLED ORDERS FOR INDUSTRY GROUPS, MARKET CATEGORIES AND SUPPLEMENTARY SERIES**
(Millions of dollars)

Industry	Seasonally adjusted						Not seasonally adjusted[1]				
	Monthly			Percent Change			Monthly				Percent change
	Mar. 1990p	Feb. 1990r	Jan. 1990r	Feb.-Mar.p	Jan.-Feb.r	Dec.-Jan.r	Mar. 1990p	Feb. 1990r	Jan. 1990r	Mar. 1989	Mar.90/89
All manufacturing industries	516,219	512,654	515,367	+0.7	-0.5	+0.2	522,163	516,492	516,493	488,259	+6.9
Durable goods industries	496,755	492,947	495,389	+0.8	-0.5	+0.2	502,401	497,023	496,945	467,347	+7.5
Stone, clay, and glass products	4,916	5,082	5,190	-3.3	-2.1	-3.0	5,017	5,204	5,109	5,735	-12.5
Primary metals	22,695	22,362	22,620	+1.5	-1.1	+0.5	24,208	23,397	23,078	27,143	-10.8
Blast furnaces, steel mills	8,803	8,815	8,958	-0.1	-1.6	+2.6	9,534	9,613	9,307	11,879	-19.7
Iron and steel foundries	2,520	2,333	2,305	+8.0	+1.2	-1.3	2,563	2,375	2,346	2,377	+7.8
Nonferrous and other primary metals	11,372	11,214	11,357	+1.4	-1.3	-0.8	12,111	11,409	11,425	12,887	-6.0
Fabricated metal products	25,435	25,462	25,756	-0.1	-1.1	+0.8	25,591	25,501	25,706	28,467	-10.1
Machinery, except electrical	61,222	61,624	61,730	-0.7	-0.2	+0.4	61,515	62,140	61,900	61,522	.0
Engines and turbines	7,055	7,012	6,781	+0.6	+3.4	+4.1	6,938	7,096	6,924	4,806	+44.4
Construction, mining and material handling equipment	8,994	9,264	9,379	-2.9	-1.2	+4.4	9,264	9,370	9,473	9,226	+.4
Metalworking machinery	4,578	4,576	4,676	0.0	-2.1	-1.9	4,496	4,470	4,522	4,757	-5.5
Office and computing machines	12,433	12,406	12,520	+0.2	-0.9	-1.1	12,234	12,347	12,245	12,931	-5.4
Electrical machinery	92,500	93,128	93,800	-0.7	-0.7	-0.6	93,245	94,073	94,192	93,062	+.2
Electrical transmission and distribution equipment and industrial apparatus	6,899	7,105	7,125	-2.9	-0.3	+3.4	6,947	7,192	7,152	7,382	-5.9
Communication equipment	65,127	65,476	66,167	-0.5	-1.0	-1.5	65,778	66,378	66,992	65,629	+.2
Electronic components	14,241	14,232	14,409	+0.1	-1.2	+0.8	14,326	14,127	14,006	14,179	+1.0
Other electrical machinery	5,196	5,171	5,011	+0.5	+3.2	-0.1	5,139	5,127	4,916	4,734	+8.6
Transportation equipment	268,312	263,525	264,445	+1.8	-0.3	+0.7	270,899	265,202	265,549	228,903	+18.3
Aircraft, missiles, and parts.	230,859	225,352	226,718	+2.4	-0.6	+0.9	233,494	227,035	227,930	190,587	+22.5
Shipbuilding and military tank vehicles	27,915	28,158	27,392	-0.9	+2.8	-0.7	27,642	27,922	27,161	26,385	+4.8
Instruments and related products	14,772	14,768	14,592	0.0	+1.2	+0.1	14,759	14,787	14,756	14,501	+1.8
Scientific and engineering instruments	13,777	13,807	13,598	-0.2	+1.5	+0.4	13,763	13,859	13,802	13,438	+2.4
All other durable goods	6,903	6,996	7,256	-1.3	-3.6	-5.9	7,167	6,719	6,655	8,014	-10.6
Nondurable goods industries	19,464	19,707	19,978	-1.2	-1.4	-1.6	19,762	19,469	19,548	20,912	-5.5
Market categories:											
Home goods and apparel	7,175	7,636	8,160	-6.0	-6.4	-6.0	7,599	7,609	7,597	8,923	-14.8
Consumer staples	805	805	825	0.0	-2.4	-4.8	797	815	861	771	+3.4
Equipment and defense prod. except automotive	333,281	329,126	330,634	+1.3	-0.5	+0.6	335,837	332,015	332,998	300,311	+11.8
Automotive equipment	7,247	7,440	7,670	-2.6	-3.0	-0.1	7,472	7,670	7,793	9,073	-17.6
Construction materials, supplies and intermediate products	13,291	13,487	14,010	-1.5	-3.7	+0.2	13,477	13,586	13,889	15,172	-11.2
Other materials, supplies, and intermediate products	154,420	154,160	154,068	+0.2	+0.1	-0.3	156,981	154,797	153,355	154,009	+1.9
Supplementary series:											
Capital goods industries	402,646	398,543	399,757	+1.0	-0.3	+0.3	405,961	401,457	401,670	363,567	+11.7
Nondefense	238,794	233,610	234,342	+2.2	-0.3	+1.4	238,983	234,222	234,492	194,909	+22.6
Excluding aircraft and parts	91,754	92,384	92,440	-0.7	-0.1	+0.1	91,943	92,996	92,590	90,587	+1.5
Defense	163,852	164,933	165,415	-0.7	-0.3	-1.2	166,978	167,235	167,178	168,658	-1.0
Household durable goods industries	5,208	5,457	5,783	-4.6	-5.6	-5.2	5,579	5,462	5,410	6,534	-14.6

See footnotes at end of table 2.

Table 4. **VALUE OF MANUFACTURERS' INVENTORIES FOR INDUSTRY GROUPS, MARKET CATEGORIES AND SUPPLEMENTARY SERIES**
(Millions of dollars)

Industry	Seasonally adjusted						Not seasonally adjusted[1]				
	Monthly			Percent Change			Monthly				Percent change
	Mar. 1990p	Feb. 1990r	Jan. 1990r	Feb.-Mar.p	Jan.-Feb.r	Dec.-Jan.r	Mar. 1990p	Feb. 1990r	Jan. 1990r	Mar. 1989	Mar.90/89p
All manufacturing industries	371,940	373,169	374,126	-0.3	-0.3	+0.8	372,448	375,074	372,997	362,082	+2.9
Manufacturing industries with unfilled orders	259,078	260,326	261,347	-0.5	-0.4	+0.9	259,089	260,670	258,842	251,977	+2.8
Durable goods industries	245,541	247,095	248,273	-0.6	-0.5	+0.8	246,162	248,350	246,692	240,180	+2.5
With unfilled orders	227,374	228,807	229,812	-0.6	-0.4	+0.9	227,308	229,181	227,691	221,408	+2.7
Stone, clay, and glass products	7,716	7,758	7,770	-0.5	-0.2	-0.4	7,870	7,900	7,727	7,813	+.7
Primary metals	20,302	20,559	20,528	-1.3	+0.2	-0.2	20,226	20,679	20,648	20,757	-2.6
Blast furnaces, steel mills	10,568	10,672	10,629	-1.0	+0.4	+1.1	10,314	10,614	10,682	10,251	+.6
Iron and steel foundries	1,266	1,306	1,344	-3.1	-2.8	-1.5	1,334	1,354	1,343	1,465	-8.9
Nonferrous and other primary metals	8,468	8,581	8,555	-1.3	+0.3	-1.6	8,578	8,711	8,623	9,041	-5.1
Fabricated metal products	23,688	23,933	23,970	-1.0	-0.2	+2.9	23,904	24,003	23,989	24,214	-1.3
Machinery, except electrical	47,782	48,277	48,339	-1.0	-0.1	+0.6	47,900	48,747	48,088	47,925	-.1
Engines and turbines	3,039	2,992	3,009	+1.6	-0.6	+2.7	2,980	2,934	2,852	3,020	-1.3
Construction, mining and material handling equipment	7,568	7,606	7,606	-0.5	0.0	+1.7	7,629	7,740	7,652	7,692	-.8
Metalworking machinery	3,150	3,153	3,152	-0.1	0.0	-0.7	3,112	3,159	3,086	3,115	-.1
Office and computing machines	12,354	12,614	12,709	-2.1	-0.7	-0.4	12,193	12,650	12,493	12,080	+.9
Electrical machinery	40,601	40,836	40,972	-0.6	-0.3	+0.6	40,479	40,697	40,340	41,110	-1.5
Electrical transmission and distribution equipment and industrial apparatus	5,135	5,164	5,170	-0.6	-0.1	-0.2	5,170	5,188	5,145	5,195	-.5
Household appliances	2,921	2,926	2,943	-0.2	-0.6	+1.4	3,044	3,011	2,902	3,038	+.2
Radio and TV	1,860	1,897	1,918	-2.0	-1.1	+0.6	1,771	1,824	1,805	1,583	+11.9
Communication equipment	15,551	15,879	16,032	-2.1	-1.0	+1.0	15,359	15,740	15,752	16,087	-4.5
Electronic components	8,774	8,596	8,591	+2.1	+0.1	0.0	8,756	8,602	8,557	8,857	-1.1
Other electrical machinery	6,360	6,374	6,318	-0.2	+0.9	+0.8	6,379	6,332	6,179	6,350	+.5
Transportation equipment	72,862	73,119	73,772	-0.4	-0.9	+1.3	72,978	73,377	72,964	66,274	+10.1
Motor vehicles and parts	11,597	11,845	12,167	-2.1	-2.6	+2.7	11,786	12,319	12,599	12,379	-4.8
Aircraft, missiles, and parts.	56,527	56,432	56,856	+0.2	-0.7	+0.7	56,458	56,211	55,702	49,600	+13.8
Shipbuilding and military tank vehicles	2,573	2,559	2,525	+0.5	+1.3	+5.0	2,538	2,495	2,438	2,147	+18.2
Instruments and related products	14,068	14,095	14,160	-0.2	-0.5	+1.0	14,039	14,082	14,004	14,256	-1.5
Scientific and engineering instruments	10,388	10,392	10,408	0.0	-0.2	+0.9	10,419	10,407	10,335	10,517	-.9
All other durable goods	18,522	18,518	18,762	0.0	-1.3	-0.7	18,766	18,865	18,932	17,831	+5.2
Nondurable goods industries	126,399	126,074	125,853	+0.3	+0.2	+0.8	126,286	126,724	126,305	121,902	+3.6
With unfilled orders	31,704	31,519	31,535	+0.6	-0.1	+0.6	31,781	31,489	31,151	30,569	+4.0
Food and kindred products	26,664	26,470	26,365	+0.7	+0.4	+0.1	26,083	26,594	26,846	25,721	+1.4
Dairy products	2,618	2,515	2,536	+4.1	-0.8	+2.0	2,608	2,483	2,518	2,461	+6.0
Beverages	4,323	4,328	4,205	-0.1	+2.9	+0.1	4,375	4,386	4,251	4,423	-1.1
All other foods	15,610	15,587	15,589	+0.1	0.0	+0.6	14,845	15,517	15,916	14,051	+5.7
Tobacco products	5,762	5,837	5,723	-1.3	+2.0	+4.8	5,871	6,159	6,135	5,545	+5.9
Textile mill products	8,405	8,383	8,289	+0.3	+1.1	+1.7	8,439	8,425	8,210	7,598	+11.1
Broadwoven fabrics	4,723	4,737	4,686	-0.3	+1.1	+1.7	4,751	4,786	4,677	4,404	+7.9
Paper and allied products	12,690	12,699	12,725	-0.1	-0.2	+1.2	12,809	12,819	12,752	12,070	+6.1
Pulp, paper etc.	4,975	4,979	4,998	-0.1	-0.4	+0.4	5,079	5,108	5,072	4,642	+9.4
Paperboard containers	3,243	3,247	3,304	-0.1	-1.7	+1.5	3,279	3,246	3,311	3,048	+7.6
All other paper products	4,472	4,473	4,423	0.0	+1.1	+2.0	4,451	4,465	4,369	4,380	+1.6
Chemicals and allied products	28,700	28,497	28,553	+0.7	-0.2	-1.3	29,051	28,943	28,726	28,813	+.8
Industrial chemicals, except pigments	7,527	7,693	7,773	-2.2	-1.0	-4.0	7,580	7,863	7,820	7,989	-5.1
Drugs, soaps, and toiletries	9,821	9,753	9,805	+0.7	-0.5	+0.5	9,782	9,681	9,638	9,413	+3.9
Other chemical products	7,095	6,955	6,925	+2.0	+0.4	-2.8	7,187	7,085	7,105	7,155	+.4
Petroleum and coal products	11,415	11,310	11,276	+0.9	+0.3	+8.0	11,150	11,171	11,212	9,640	+15.7
Rubber and plastics products	10,180	10,337	10,422	-1.5	-0.8	-1.1	10,487	10,517	10,461	10,905	-3.8
All other nondurable goods	22,583	22,541	22,500	+0.2	+0.2	+0.3	22,396	22,096	21,963	21,610	+3.6
Market categories:											
Home goods and apparel	27,920	28,007	28,025	-0.3	-0.1	+0.9	27,826	27,802	27,685	26,037	+6.9
Consumer staples	46,338	46,226	46,062	+0.2	+0.4	+1.2	45,899	46,517	46,593	44,142	+4.0
Equipment and defense prod. except automotive	113,630	114,019	114,892	-0.3	-0.8	+0.7	113,796	114,407	113,708	108,440	+4.9
Automotive equipment	14,636	14,882	15,145	-1.7	-1.7	+2.2	14,931	15,485	15,540	15,357	-2.8
Construction materials, supplies and intermediate products	25,714	25,697	25,788	+0.1	-0.4	+0.2	26,137	26,106	25,945	25,605	+2.1
Other materials, supplies, and intermediate products	143,702	144,338	144,214	-0.4	+0.1	+0.8	143,859	144,757	143,526	142,501	+1.0
Supplementary series:[2]											
Capital goods industries	131,766	132,512	133,046	-0.6	-0.4	+0.9	131,504	132,395	130,944	124,631	+5.5
Nondefense	93,205	93,686	94,432	-0.5	-0.8	+0.5	92,922	94,045	93,406	88,160	+5.4
Excluding aircraft and parts	65,514	66,382	66,562	-1.3	-0.3	+0.6	65,450	66,583	65,820	65,482	.0
Defense	38,561	38,826	38,614	-0.7	+0.5	+1.8	38,582	38,350	37,538	36,471	+5.8
Household durable goods industries	13,564	13,565	13,664	0.0	-0.7	+1.0	13,572	13,605	13,502	13,059	+3.9

See footnotes at end of table 2.

Table 5. **VALUE OF MANUFACTURERS' INVENTORIES, BY STAGE OF FABRICATION, BY INDUSTRY GROUP**
(Millions of dollars)

Industry	Seasonally adjusted						Not seasonally adjusted				
	Monthly			Percent Change			Monthly				Percent change
	Mar. 1990[p]	Feb. 1990[r]	Jan. 1990[r]	Feb.-Mar.[p]	Jan.-Feb.[r]	Dec.-Jan.[r]	Mar. 1990[p]	Feb. 1990[r]	Jan. 1990[r]	Mar. 1989	Mar.90/89[p]
MATERIALS AND SUPPLIES											
All manufacturing industries	114,184	114,145	114,813	0.0	-0.6	+0.6	114,224	114,714	115,681	114,169	.0
Durable goods industries	67,121	67,402	68,092	-0.4	-1.0	+1.1	66,862	67,471	68,277	66,961	-.1
Stone, clay, and glass products	2,522	2,567	2,618	-1.8	-1.9	-0.5	2,525	2,584	2,606	2,527	-.1
Primary metals	6,369	6,423	6,430	-0.8	-0.1	+0.3	6,149	6,382	6,598	6,187	-.6
Fabricated metal products	8,480	8,595	8,672	-1.3	-0.9	+0.7	8,469	8,598	8,778	8,952	-5.4
Machinery, except electrical	12,420	12,677	12,845	-2.0	-1.3	+2.1	12,344	12,738	12,858	13,280	-7.0
Electrical machinery	11,387	11,279	11,346	+1.0	-0.6	+1.6	11,419	11,224	11,270	11,267	+1.3
Transportation equipment	13,523	13,482	13,670	+0.3	-1.4	-1.6	13,599	13,471	13,541	13,132	+3.6
Instruments and related products	5,111	5,082	5,113	+0.6	-0.6	+12.7	5,087	5,092	5,091	4,774	+6.6
Lumber, furniture and miscellaneous durable goods	7,309	7,297	7,398	+0.2	-1.4	-1.9	7,270	7,382	7,535	6,842	+6.3
Nondurable goods industries	47,063	46,743	46,721	+0.7	0.0	-0.1	47,362	47,243	47,404	47,208	+.3
Food and kindred products	8,763	8,709	8,597	+0.6	+1.3	-0.8	8,788	8,827	8,907	9,075	-3.2
Tobacco products	4,355	4,326	4,293	+0.7	+0.8	+1.1	4,478	4,547	4,683	4,222	+6.1
Textile mill products	2,432	2,446	2,477	-0.6	-1.3	+2.3	2,446	2,462	2,438	2,253	+8.6
Paper and allied products	6,814	6,824	6,847	-0.1	-0.3	+0.9	6,863	6,880	6,865	6,536	+5.0
Chemicals and allied products	10,023	10,023	10,059	0.0	-0.4	-1.4	10,067	10,133	10,033	10,132	-.6
Petroleum and coal products	2,838	2,607	2,698	+8.9	-3.4	+1.0	2,844	2,602	2,659	2,292	+24.1
Rubber and plastics products	3,826	3,855	3,826	-0.8	+0.8	-2.0	3,856	3,864	3,871	4,195	-8.1
Apparel, printing and publishing and leather goods	8,012	7,953	7,924	+0.7	+0.4	+0.5	8,020	7,928	7,948	8,503	-5.7
WORK IN PROCESS											
All manufacturing industries	137,631	138,588	139,847	-0.7	-0.9	+1.2	137,847	138,582	137,954	132,034	+4.4
Durable goods industries	116,729	117,691	118,854	-0.8	-1.0	+1.3	116,864	117,753	117,043	111,555	+4.8
Stone, clay, and glass products	1,026	1,042	1,042	-1.5	0.0	-0.4	1,065	1,076	1,047	1,179	-9.7
Primary metals	8,121	8,293	8,313	-2.1	-0.2	-1.5	8,239	8,322	8,299	8,811	-6.5
Fabricated metal products	8,170	8,263	8,369	-1.1	-1.3	+4.3	8,273	8,284	8,246	8,394	-1.4
Machinery, except electrical	19,877	20,242	20,798	-1.8	-2.7	+1.5	19,934	20,177	20,299	19,103	+4.4
Electrical machinery	19,002	19,117	19,086	-0.6	+0.2	-0.4	18,809	19,042	18,748	19,978	-5.9
Transportation equipment	51,670	51,817	52,188	-0.3	-0.7	+2.2	51,598	51,881	51,434	45,373	+13.7
Instruments and related products	5,072	5,149	5,291	-1.5	-2.7	-1.7	5,093	5,107	5,184	5,456	-6.7
Lumber, furniture and miscellaneous durable goods	3,791	3,768	3,767	+0.6	0.0	+1.9	3,853	3,864	3,786	3,653	+5.5
Nondurable goods industries	20,902	20,897	20,993	0.0	-0.5	+0.3	20,983	20,829	20,911	20,087	+4.5
Food and kindred products	2,737	2,743	2,728	-0.2	+0.5	-2.3	2,770	2,742	2,777	2,750	+.7
Tobacco products	243	244	274	-0.4	-10.9	+14.6	213	252	312	247	-13.8
Textile mill products	2,598	2,544	2,520	+2.1	+1.0	-0.5	2,629	2,558	2,541	2,408	+9.2
Paper and allied products	1,386	1,381	1,360	+0.4	+1.5	+0.1	1,374	1,354	1,338	1,334	+3.0
Chemicals and allied products	4,777	4,775	4,782	0.0	-0.1	-2.1	4,788	4,770	4,755	4,447	+7.7
Petroleum and coal products	3,181	3,184	3,191	-0.1	-0.2	+5.4	3,101	3,092	3,170	2,687	+15.4
Rubber and plastics products	1,347	1,387	1,422	-2.9	-2.5	+1.6	1,360	1,413	1,453	1,501	-9.4
Apparel, printing and publishing and leather goods	4,633	4,639	4,716	-0.1	-1.6	+0.5	4,748	4,648	4,565	4,713	+.7
FINISHED GOODS											
All manufacturing industries	120,125	120,436	119,466	-0.3	+0.8	+0.7	120,377	121,778	119,362	115,879	+3.9
Durable goods industries	61,691	62,002	61,327	-0.5	+1.1	-0.4	62,436	63,126	61,372	61,272	+1.9
Stone, clay, and glass products	4,168	4,149	4,110	+0.5	+0.9	-0.3	4,280	4,240	4,074	4,107	+4.2
Primary metals	5,812	5,843	5,785	-0.5	+1.0	+1.2	5,838	5,975	5,751	5,759	+1.4
Fabricated metal products	7,038	7,075	6,929	-0.5	+2.1	+3.9	7,162	7,121	6,965	6,868	+4.3
Machinery, except electrical	15,485	15,358	14,696	+0.8	+4.5	-2.0	15,622	15,832	14,931	15,542	+.5
Electrical machinery	10,212	10,440	10,540	-2.2	-0.9	+1.4	10,251	10,431	10,322	9,865	+3.9
Transportation equipment	7,669	7,820	7,914	-1.9	-1.2	+0.3	7,781	8,025	7,989	7,769	+.2
Instruments and related products	3,885	3,864	3,756	+0.5	+2.9	-8.3	3,859	3,883	3,729	4,026	-4.1
Lumber, furniture and miscellaneous durable goods	7,422	7,453	7,597	-0.4	-1.9	-0.9	7,643	7,619	7,611	7,336	+4.2
Nondurable goods industries	58,434	58,434	58,139	0.0	+0.5	+1.7	57,941	58,652	57,990	54,607	+6.1
Food and kindred products	15,164	15,018	15,040	+1.0	-0.1	+1.1	14,525	15,025	15,162	13,896	+4.5
Tobacco products	1,164	1,267	1,156	-8.1	+9.6	+18.9	1,180	1,360	1,140	1,076	+9.7
Textile mill products	3,375	3,393	3,292	-0.5	+3.1	+2.9	3,364	3,405	3,231	2,937	+14.5
Paper and allied products	4,490	4,494	4,518	-0.1	-0.5	+2.1	4,572	4,585	4,549	4,200	+8.9
Chemicals and allied products	13,900	13,699	13,712	+1.5	-0.1	-0.8	14,196	14,040	13,938	14,234	-.3
Petroleum and coal products	5,396	5,519	5,387	-2.2	+2.5	+13.6	5,205	5,477	5,383	4,661	+11.7
Rubber and plastics products	5,007	5,095	5,174	-1.7	-1.5	-1.2	5,271	5,240	5,137	5,209	+1.2
Apparel, printing and publishing and leather goods	9,938	9,949	9,860	-0.1	+0.9	0.0	9,628	9,520	9,450	8,394	+14.7

[p]Preliminary. [r]Revised.

Table 6. **RATIO OF MANUFACTURES' INVENTORIES TO SHIPMENTS AND UNFILLED ORDERS TO SHIPMENTS, BY INDUSTRY GROUP**
(Based on seasonally adjusted data)

Industry	Inventory / Shipments ratio				Unfilled Orders / Shipments ratio[1]			
	Mar. 1990[p]	Feb. 1990[r]	Jan. 1990[r]	Dec. 1989	Mar. 1990[p]	Feb. 1990[r]	Jan. 1990[r]	Dec. 1989
All manufacturing industries	1.57	1.59	1.65	1.61	3.91	3.90	4.06	3.99
Durable goods industries	1.97	2.01	2.13	2.02	4.79	4.77	4.97	4.81
Stone, clay, and glass products	1.42	1.42	1.43	1.47	0.99	1.01	1.04	1.10
Primary metals	1.79	1.84	1.82	1.88	2.00	2.00	2.00	2.06
Fabricated metal products	1.67	1.73	1.77	1.67	1.98	2.04	2.12	2.04
Machinery, except electrical	2.08	2.15	2.18	2.16	2.84	2.92	2.95	2.92
Electrical machinery	2.01	1.98	2.06	1.95	4.57	4.52	4.71	4.53
Transportation equipment	2.29	2.37	2.90	2.39	13.44	13.09	14.96	13.33
Instruments and related products	2.14	2.16	2.15	2.11	2.25	2.26	2.22	2.19
Nondurable goods industries	1.13	1.13	1.14	1.15	0.69	0.70	0.73	0.77
Food and kindred products	0.79	0.80	0.81	0.80	(X)	(X)	(X)	(X)
Tobacco products	2.90	2.89	2.71	2.73	(X)	(X)	(X)	(X)
Textile mill products	1.63	1.61	1.58	1.69	(NA)	(NA)	(NA)	(NA)
Paper and allied products	1.16	1.18	1.19	1.19	(NA)	(NA)	(NA)	(NA)
Chemicals and allied products	1.34	1.35	1.36	1.36	(X)	(X)	(X)	(X)
Petroleum and coal products	0.91	0.89	0.88	0.85	(X)	(X)	(X)	(X)
Rubber and plastics products	1.33	1.36	1.39	1.38	(X)	(X)	(X)	(X)

[p]Preliminary. [r] Revised. (X) Not applicable. (NA) Not available.

[1]Excludes the following industries with no unfilled orders: Wood and lumber products; glass containers; metal cans, barrels and drums; farm machinery and equipment; motor vehicle assembly operations; other transportation equipment; foods and related products; tobacco; apparel and related products; building paper; die-cut paper and board; chemicals; petroleum and coal products; and rubber and plastics products.

Table 7. **AVERAGE REVISIONS TO PREVIOUSLY PUBLISHED MONTHLY PERCENT CHANGES**
(Based on seasonally adjusted data)

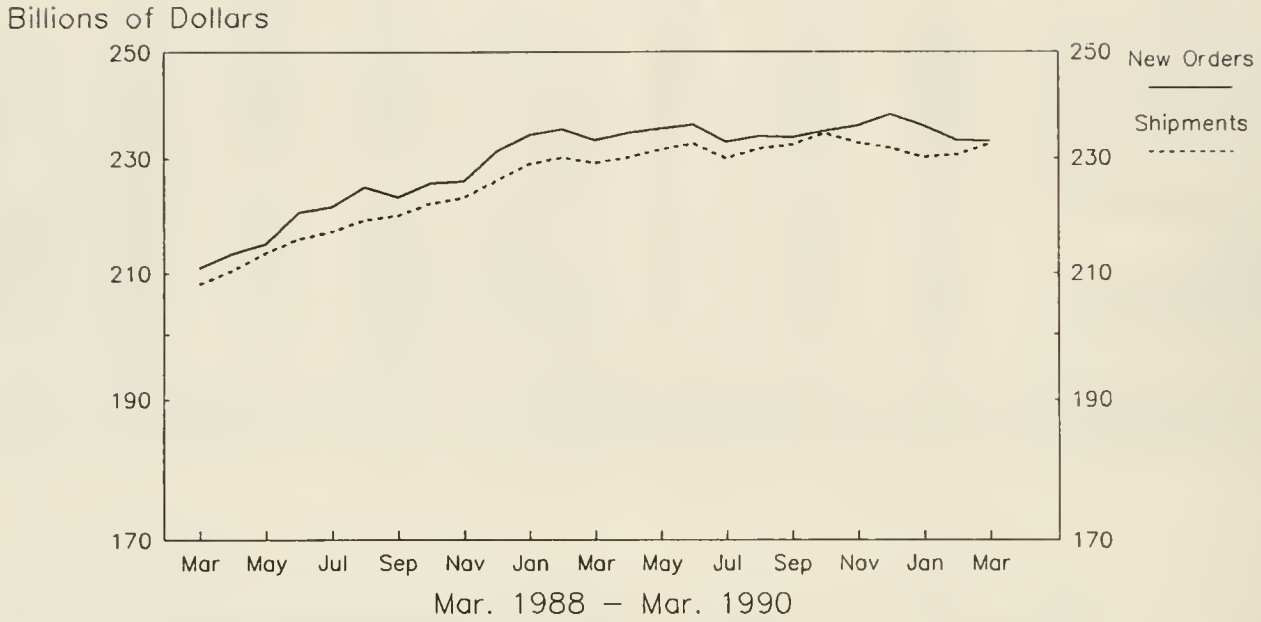
Industry	Shipments			New orders			Unfilled orders			Inventories		
	Mar. 1989	Mar.[1] 1985-1989	Mar. 1989-Feb. 1990	Mar. 1989	Mar.[1] 1985-1989	Mar. 1989-Feb. 1990	Mar. 1989	Mar.[1] 1985-1989	Mar. 1989-Feb. 1990	Mar. 1989	Mar.[1] 1985-1989	Mar. 1989-Feb. 1990
All manufacturing industries	0.0	0.1	0.2	0.1	0.2	0.3	0.1	0.1	0.1	0.1	0.1	0.1
Durable goods industries	0.1	0.1	0.2	0.2	0.3	0.5	0.0	0.1	0.1	0.1	0.1	0.1
Stone, clay, and glass products	0.3	0.7	0.6	0.2	0.8	0.7	0.0	0.3	0.4	0.1	0.2	0.2
Primary metals	0.0	0.2	0.4	1.3	0.8	0.8	0.7	0.3	0.4	0.2	0.2	0.1
Fabricated metal products	0.0	0.4	0.4	0.2	0.6	0.7	0.1	0.3	0.3	0.2	0.2	0.2
Machinery, except electrical	0.1	0.2	0.6	0.5	1.1	0.7	0.2	0.4	0.2	0.4	0.2	0.2
Electrical machinery	0.1	0.3	0.3	0.2	0.3	0.3	0.0	0.3	0.1	0.1	0.1	0.2
Transportation equipment	0.1	0.1	0.3	0.9	0.4	1.7	0.1	0.1	0.2	0.1	0.1	0.1
Instruments and related products	0.2	0.7	0.6	0.8	1.1	0.8	0.2	0.4	0.2	0.1	0.2	0.4
Nondurable goods industries	0.1	0.1	0.3	0.0	0.1	0.3	0.0	0.2	0.4	0.0	0.1	0.1
Food and kindred products	0.1	0.2	0.3	(X)	(X)	(X)	(X)	(X)	(X)	0.0	0.3	0.2
Tobacco products	0.0	0.5	0.4	(X)	(X)	(X)	(X)	(X)	(X)	0.0	0.0	0.1
Textile mill products	0.5	1.3	1.0	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	0.2	0.2	0.3
Paper and allied products	0.2	0.3	0.3	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	0.3	0.2	0.3
Chemicals and allied products	0.1	0.6	0.3	(X)	(X)	(X)	(X)	(X)	(X)	0.3	0.2	0.1
Petroleum and coal products	0.0	0.5	0.3	(X)	(X)	(X)	(X)	(X)	(X)	0.7	0.6	0.3
Rubber and plastics products	0.8	1.0	0.9	(X)	(X)	(X)	(X)	(X)	(X)	0.1	0.2	0.3
Capital goods industries:												
Nondefense	0.2	0.4	0.4	0.1	0.6	1.0	0.1	0.1	0.3	0.2	0.1	0.1
Defense	0.2	0.4	0.3	0.9	2.8	3.2	0.1	0.1	0.2	0.0	0.2	0.0

(X) Not applicable. (NA) Not available.

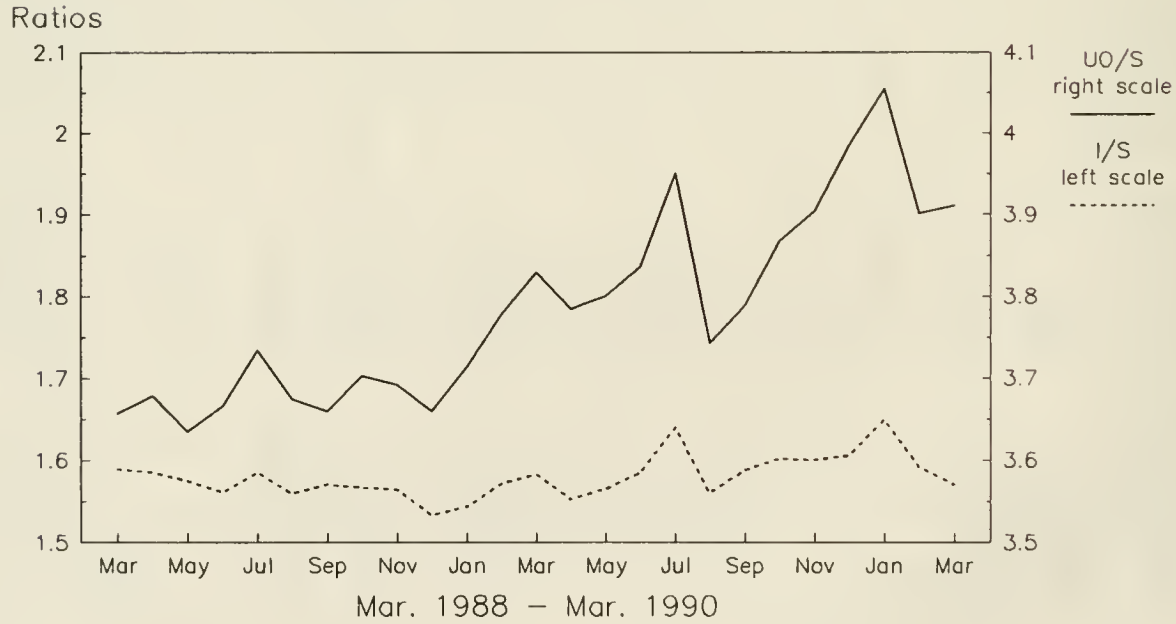
Note: The revisions are the differences between the month-to-month percent changes of the preliminary and final estimates. The monthly averages are the simple averages of the differences, without regard to sign, for the months specified. The advance to final percent change revisions for the durable goods industries are shown in the advance report for the month.

[1]Average for this month for the last five years.

Total Manufacturing
New Orders and Shipments
Three Month Moving Averages

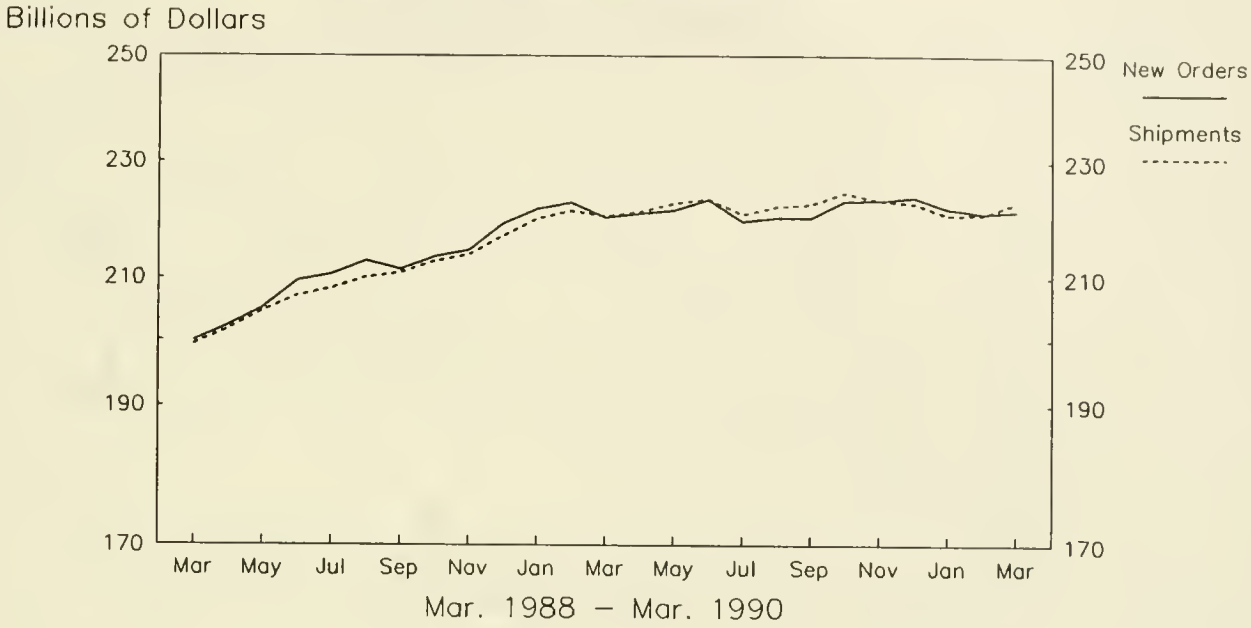


Total Manufacturing
Ratios of Unfilled Orders and
Inventories to Shipments

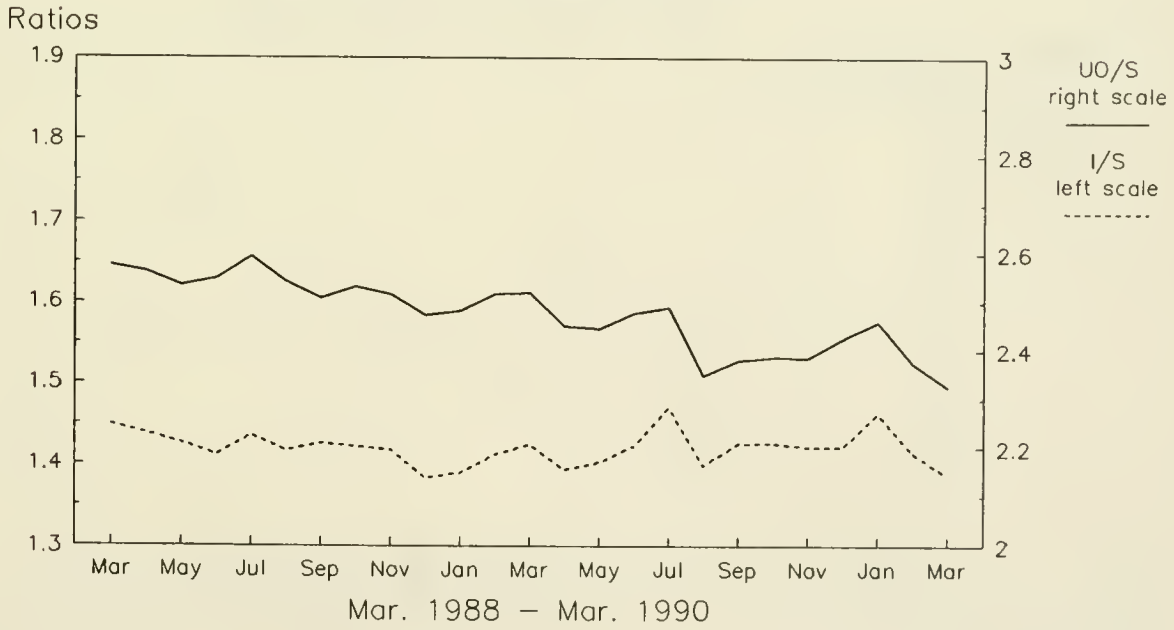


Note: All Charts based on seasonally adjusted current dollars.

Total Manufacturing Excluding Aircraft
New Orders and Shipments
Three Month Moving Averages

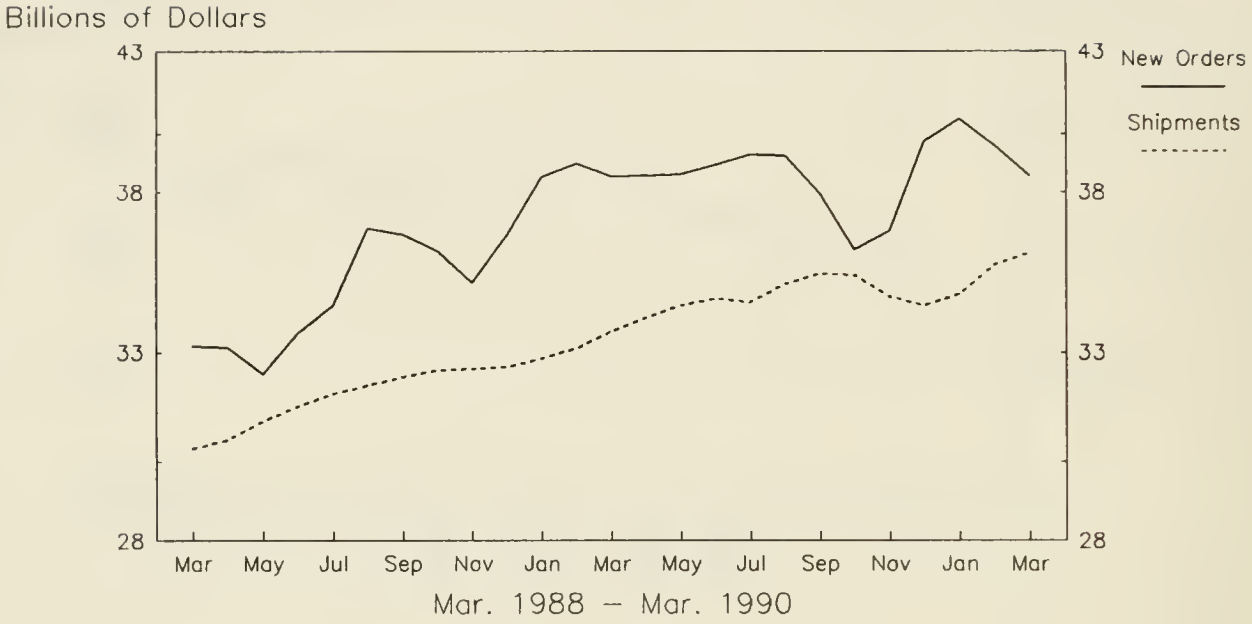


Total Manufacturing Excluding Aircraft
Ratios of Unfilled Orders and
Inventories to Shipments

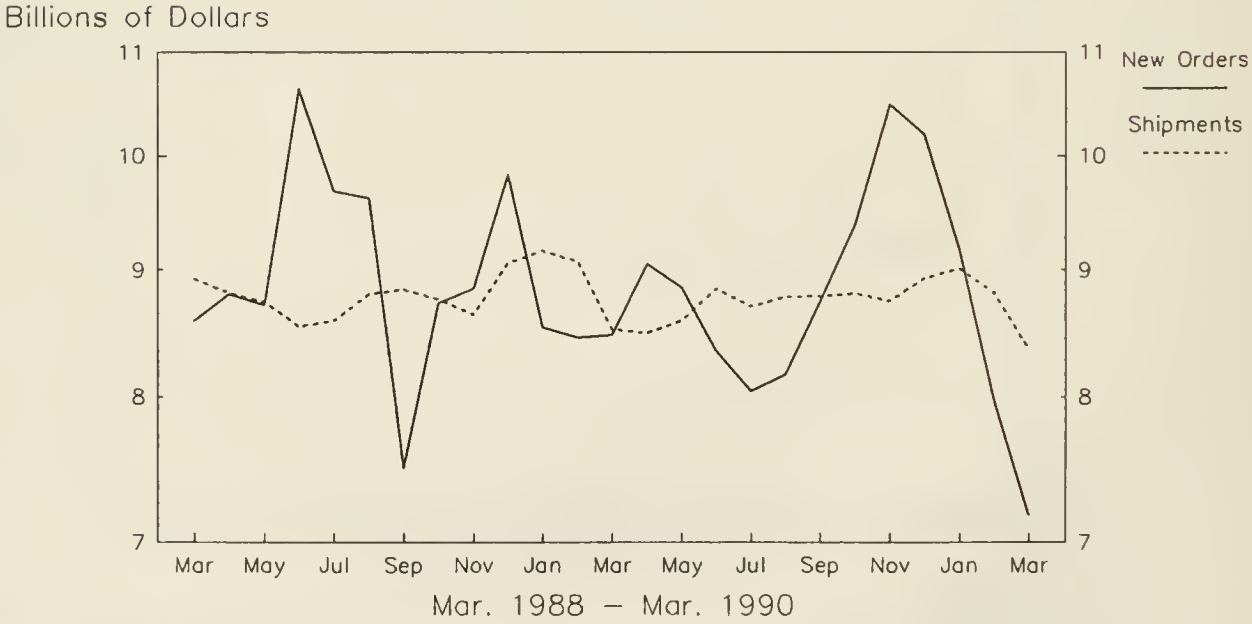


Note: All Charts based on seasonally adjusted current dollars.

Nondefense Capital Goods
New Orders and Shipments
Three Month Moving Averages

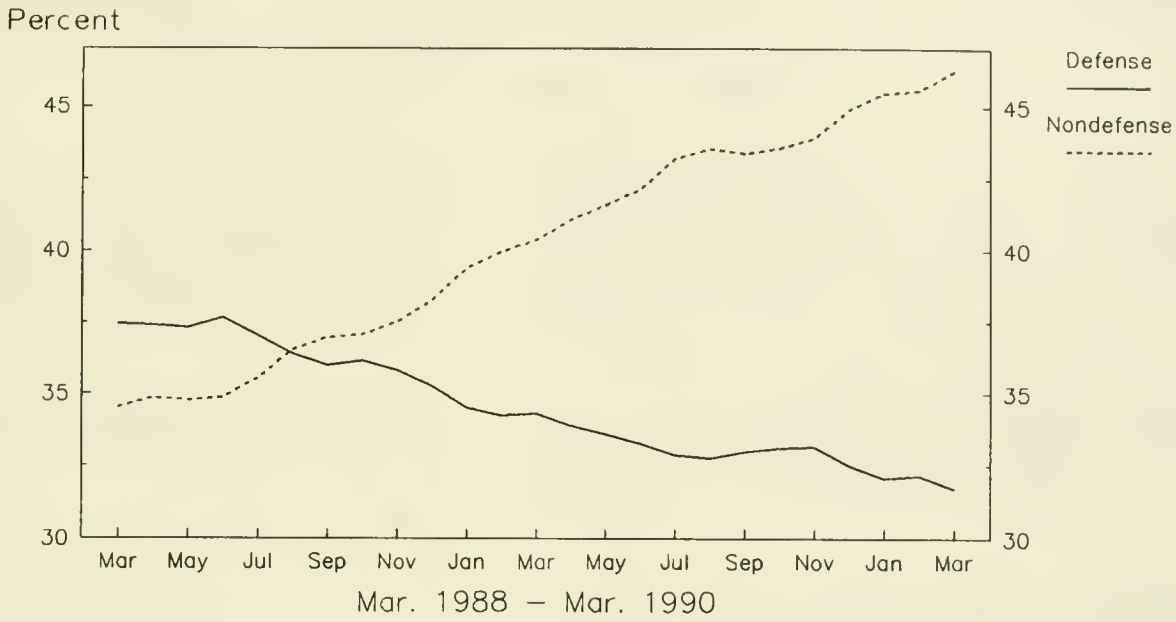


Defense Capital Goods
New Orders and Shipments
Three Month Moving Averages

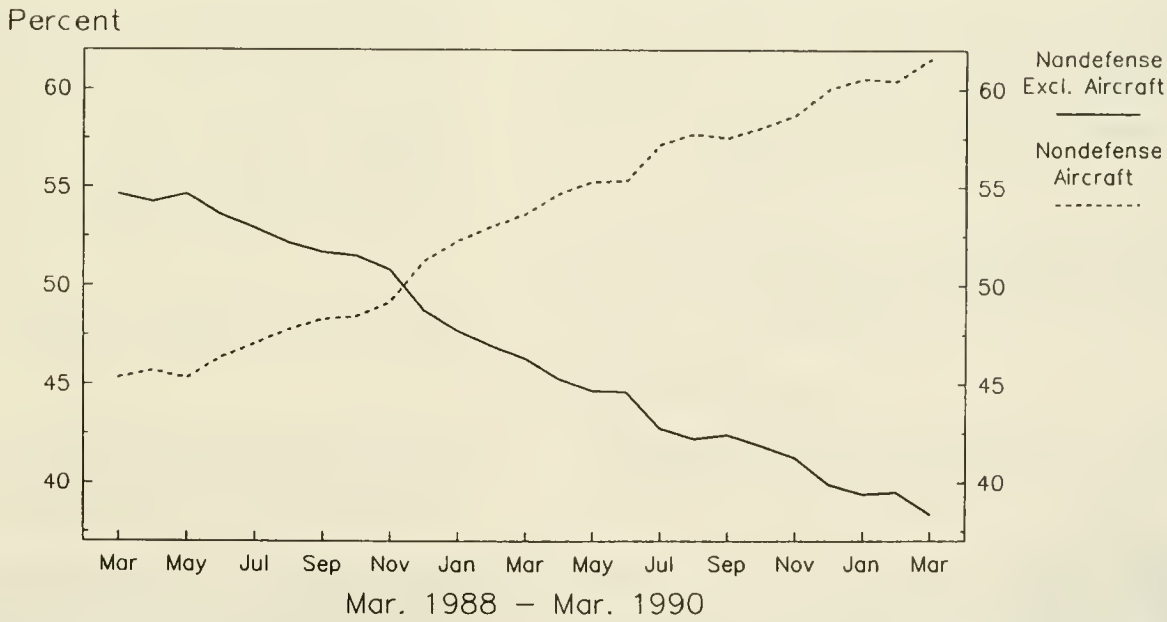


Note: All Charts based on seasonally adjusted current dollars.

Defense and Nondefense Capital Goods
Percent of Total Manufacturing Unfilled Orders



Nondefense Capital Goods Excl. Aircraft and Nondefense Aircraft
Percent of Nondefense Unfilled Orders



Aircraft includes Complete Aircraft, Missiles and Parts

Note: All Charts based on seasonnaly adjusted current dollars

U.S. Department of Commerce
BUREAU OF THE CENSUS
Washington, D.C. 20233

Official Business
Penalty for Private Use, $300

U.S.MAIL

POSTAGE AND FEES PAID
U.S. DEPARTMENT OF COMMERCE
COM-202

First Class Mail

SUPERINTENDENT OF DOCUMENTS
DEPOSITORY
JUL 23 1990
LIBRARY
DEPARTMENT

.158:M 3-1(90)-4
ent Industrial Reports,...

Manufacturers' Shipments, Inventories, and Orders

April 1990

M3-1-(90)-4
For Wire Transmissions 10:00 a.m. E.D.T. Thursday, May 31, 1990

U. S. Department of Commerce
BUREAU OF THE CENSUS

(All figures in text are in seasonally adjusted current dollars)

Summary

New orders for manufactured goods in April decreased $5.5 billion or 2.3 percent to $235.6 billion, the Department of Commerce, Bureau of the Census reported today. Orders have fluctuated between $230 and $241 billion per month since the beginning of 1989. Although the trend has been relatively flat, new orders continue to exceed shipments.

Shipments of manufactured goods in April were down $2.9 billion or 1.2 percent to $234.4 billion. Shipments have ranged between $226 and $238 billion since the beginning of 1989, also exhibiting a relatively flat trend.

Unfilled orders in April increased $1.3 billion or 0.2 percent to $517.7 billion, following an increase in March of 0.7 percent. The order backlog has been generally increasing since early 1987.

Manufacturers' inventories in April increased $0.5 billion or 0.1 percent to $372.3 billion, following 2 months of declines. Inventories reached a high in January of $374.1 billion. The inventory to shipments ratio in April was 1.59, up from 1.57 in March.

New Orders

The decrease in April new orders was concentrated in the durable goods sector which declined $5.5 billion or 4.3 percent to $123.4 billion. The largest decrease was in transportation equipment, down $5.4 billion or 14.7 percent to $31.7 billion; both motor vehicles and aircraft were down. Smaller declines were in nonelectrical machinery, down $0.6 billion or 2.9 percent, fabricated metals $0.3 billion or 1.9 percent and primary metals $0.2 billion or 1.4 percent. Electrical machinery increased $0.8 billion or 4.0 percent.

New orders for nondurable goods were unchanged at $112.2 billion. The specific industries had a wide range of increases and decreases.

Shipments

The decrease in shipments was also concentrated in the durable goods sector which declined $3.0 billion or 2.4 percent to $122.1 billion. Over half the decline was in transportation equipment, down $1.7 billion or 5.2 percent to $30.5 billion; motor vehicles and parts were down $1.5 billion or 7.3 percent. Other declines were in nonelectrical machinery down $0.9 billion or 3.7 percent, fabricated metals down $0.3 billion or 2.2 percent, and primary metals, down $0.1 billion or 0.7 percent. The other major industries were relatively flat.

Shipments of nondurable goods were unchanged at $112.3 billion. There was a wide range of offsetting increases and decreases; the largest increases were in printing and publishing, chemicals, and tobacco; the largest declines were in foods, petroleum, and paper.

Unfilled Orders

Unfilled orders for durable goods increased $1.3 billion or 0.3 percent to $498.0 billion. The largest increases were in transportation equipment, up $1.2 billion or 0.5 percent and primary metals, up $0.3 billion or 1.3 percent. The largest decline was in nonelectrical machinery, down $0.6 billion or 0.9 percent.

Unfilled orders for nondurable goods were nearly unchanged at $19.6 billion.

Inventories

The increase of durable goods inventories of $1.1 billion or 0.4 percent to $246.5 billion, more than offset a decline in nondurables of $0.6 billion or 0.5 percent to $125.7 billion. Most of the increase in durables was in aircraft and parts and motor vehicles and parts. The decline in nondurables was concentrated in petroleum products and apparel.

By stage of fabrication for durables, work in process increased 0.7 percent and finished goods 0.4 percent; materials and supplies were relatively flat. For nondurables, all processing stages were down slightly.

Scheduled Release Dates

The advance report on durable goods for May is scheduled for June 22, 1990 at 8:30 a.m. and the full report on July 3, 1990 at 10:00 a.m.

Address inquiries concerning these figures to U.S. Department of Commerce, Bureau of the Census, Industry Division, Washington, DC 20233 or call Ruth Runyan or Kathleen Menth, (301) 763-2502 or (301) 763-2512.
For sale by the Superintendent of Documents, U.S. Government Printing Office, Washington, DC 20402. This report is also available the day of issue through the Department of Commerce's online Economic Bulletin Board (N-8-1) (202-377-3870) and through the Census Bureau's online information service-CENDATA. CENDATA is available from Dialog Information Services, INC. (1-800-334-2464) and CompuServe (1-800-848-8199). The CENDATA staff at the Bureau of the Census (301-763-2074) can provide content information and general guidance.

Table 1. **VALUE OF MANUFACTURERS' SHIPMENTS FOR INDUSTRY GROUPS, MARKET CATEGORIES AND SUPPLEMENTARY SERIES**
(Millions of dollars)

Industry	Seasonally adjusted						Not seasonally adjusted[1]						
	Monthly			Percent Change			Monthly				Percent change	Year to date	
	Apr. 1990[p]	Mar. 1990[r]	Feb. 1990[r]	Mar.-Apr.[p]	Feb.-Mar.[r]	Jan.-Feb.[r]	Apr. 1990[p]	Mar. 1990[r]	Feb. 1990[r]	Apr. 1989	Apr.90/89[p]	1990[p]	1989
All manufacturing industries	234,352	237,299	234,472	-1.2	+1.2	+3.4	235,273	249,364	234,079	235,253	0.0	925,982	915,122
Manufacturing industries with unfilled orders	130,965	132,445	131,384	-1.1	+0.8	+3.4	130,115	140,854	130,685	128,124	+1.6	515,789	501,944
Durable goods industries	122,090	125,089	123,224	-2.4	+1.5	+5.6	123,599	134,397	123,396	125,254	-1.3	485,405	486,715
With unfilled orders	102,490	104,117	103,333	-1.6	+0.8	+3.6	101,828	112,128	102,562	100,869	+1.0	404,858	394,978
Stone, clay, and glass products	5,390	5,387	5,482	+0.1	-1.7	+1.1	5,611	5,481	5,179	5,709	-1.7	21,043	20,843
Primary metals	11,317	11,392	11,168	-0.7	+2.0	-1.0	11,651	12,074	11,441	12,940	-10.0	45,937	51,101
Blast furnaces, steel mills	4,524	4,666	4,565	-3.0	+2.2	+0.1	4,737	4,968	4,623	5,391	-12.1	18,757	21,022
Iron and steel foundries	822	800	765	+2.8	+4.6	+0.1	859	846	781	932	-7.8	3,192	3,562
Nonferrous and other primary metals	5,971	5,926	5,838	+0.8	+1.5	-2.0	6,055	6,260	6,037	6,617	-8.5	23,988	26,517
Fabricated metal products	13,842	14,148	13,837	-2.2	+2.2	+2.0	14,171	15,202	14,060	13,591	+4.3	55,562	52,584
Machinery, except electrical	22,255	23,105	22,449	-3.7	+2.9	+1.1	22,067	25,619	21,730	22,010	+0.3	88,535	86,168
Engines and turbines	1,277	1,335	1,374	-4.3	-2.8	+4.2	1,300	1,526	1,334	1,418	-8.3	5,352	5,668
Construction, mining and material handling equipment	2,953	3,128	3,157	-5.6	-0.9	+3.5	3,098	3,366	3,106	2,892	+7.1	12,254	10,834
Metalworking machinery	1,044	1,074	1,028	-2.8	+4.5	-1.8	941	1,243	1,011	939	+0.2	4,057	3,903
Office and computing machines	6,022	6,133	5,912	-1.8	+3.7	-1.1	4,884	7,221	5,186	4,761	+2.6	21,696	20,493
Electrical machinery	20,227	20,243	20,593	-0.1	-1.7	+3.5	19,462	21,588	20,360	19,558	-0.5	79,004	77,086
Electrical transmission and distribution equipment and industrial apparatus	2,498	2,555	2,543	-2.2	+0.5	+2.9	2,446	2,781	2,634	2,601	-6.0	10,073	10,154
Household appliances	1,660	1,689	1,690	-1.7	-0.1	+4.4	1,665	1,784	1,636	1,672	-0.4	6,544	6,394
Radio and TV	947	1,036	1,060	-8.6	-2.3	+7.5	728	1,017	961	830	-12.3	3,550	3,564
Communication equipment	6,945	6,528	7,027	+6.4	-7.1	+3.5	6,563	7,217	6,821	6,200	+5.9	26,162	24,233
Electronic components	4,932	4,923	4,929	+0.2	-0.1	+0.5	5,045	5,239	5,014	4,952	+1.9	19,887	19,322
Other electrical machinery	3,245	3,512	3,344	-7.6	+5.0	+6.7	3,015	3,550	3,294	3,303	-8.7	12,788	13,419
Transportation equipment	30,461	32,141	30,843	-5.2	+4.2	+21.3	31,718	35,142	32,199	32,854	-3.5	121,765	127,332
Motor vehicles and parts	18,480	19,935	18,374	-7.3	+8.5	+33.8	20,018	21,806	20,272	21,739	-7.9	75,330	84,193
Aircraft, missiles, and parts.	9,936	9,694	10,475	+2.5	-7.5	+6.8	9,554	10,711	9,965	8,742	+9.3	37,979	34,377
Shipbuilding and military tank vehicles	929	1,079	887	-13.9	+21.6	0.0	881	1,079	874	906	-2.8	3,580	3,551
Instruments and related products	6,537	6,571	6,539	-0.5	+0.5	-0.7	6,333	6,943	6,399	6,085	+4.1	25,679	24,588
Scientific and engineering instruments	4,395	4,406	4,371	-0.2	+0.8	-0.9	4,285	4,693	4,336	4,048	+5.9	17,455	16,498
All other durable goods	12,061	12,102	12,313	-0.3	-1.7	0.0	12,586	12,348	12,028	12,507	+0.6	47,880	47,013
Nondurable goods industries	112,262	112,210	111,248	0.0	+0.9	+1.1	111,674	114,967	110,683	109,999	+1.5	440,577	428,407
With unfilled orders	28,475	28,328	28,051	+0.5	+1.0	+2.7	28,287	28,726	28,123	27,255	+3.8	110,931	106,966
Food and kindred products	33,212	33,737	33,290	-1.6	+1.3	+2.3	32,595	34,491	32,989	31,613	+3.1	130,483	125,763
Dairy products	4,808	4,868	4,766	-1.2	+2.1	+1.6	4,731	4,941	4,703	4,204	+12.5	18,817	16,533
Beverages	4,010	4,367	4,284	-8.2	+1.9	+3.1	4,299	4,236	3,877	4,499	-4.4	16,081	16,146
All other foods	15,655	15,614	15,503	+0.3	+0.7	+1.2	14,951	16,563	15,905	14,329	+4.3	61,788	59,398
Tobacco products	2,473	2,001	2,017	+23.6	-0.8	-4.5	2,107	2,387	1,701	1,733	+21.6	7,561	6,917
Textile mill products	5,131	5,180	5,208	-0.9	-0.5	-0.9	5,108	5,446	5,160	5,236	-2.4	20,277	20,990
Broadwoven fabrics	3,019	3,012	3,018	+0.2	-0.2	-2.3	2,977	3,173	3,023	3,209	-7.2	11,909	12,806
Paper and allied products	10,787	10,985	10,767	-1.8	+2.0	+0.8	10,826	11,249	11,015	11,001	-1.6	43,633	43,957
Pulp, paper etc.	4,546	4,727	4,618	-3.8	+2.4	+1.5	4,617	4,837	4,771	4,959	-6.9	18,765	19,833
Paperboard containers	2,618	2,676	2,704	-2.2	-1.0	-1.3	2,644	2,729	2,696	2,785	-5.1	10,709	10,859
All other paper products	3,623	3,582	3,445	+1.1	+4.0	+1.7	3,565	3,683	3,548	3,257	+9.5	14,159	13,265
Chemicals and allied products	21,834	21,595	21,230	+1.1	+1.7	+0.9	22,802	22,834	21,583	22,413	+1.7	87,772	86,709
Industrial chemicals, except pigments	5,729	5,689	5,765	+0.7	-1.3	+2.9	5,970	5,982	5,860	6,252	-4.5	23,205	24,247
Drugs, soaps, and toiletries	7,310	7,173	6,919	+1.9	+3.7	0.0	6,915	7,420	6,961	6,201	+11.5	28,311	26,033
Other chemical products	5,715	5,741	5,697	-0.5	+0.8	+0.8	5,875	6,014	5,951	5,952	-1.3	23,222	23,229
Petroleum and coal products	12,314	12,452	12,672	-1.1	-1.7	-1.4	12,107	11,860	11,908	12,094	+0.1	48,343	42,911
Rubber and plastics products	7,615	7,659	7,590	-0.6	+0.9	+1.5	7,886	8,100	7,704	8,466	-6.9	30,599	32,713
All other nondurable goods	18,896	18,601	18,474	+1.6	+0.7	+2.5	18,243	18,600	18,623	17,443	+4.6	71,909	68,447
Market categories:													
Home goods and apparel	14,076	14,512	14,622	-3.0	-0.8	+0.7	13,377	15,208	14,883	14,207	-5.8	55,971	57,424
Consumer staples	48,258	48,081	47,318	+0.4	+1.6	+1.5	46,898	49,319	46,541	44,264	+6.0	185,969	175,400
Equipment and defense prod. except automotive	40,076	40,638	41,044	-1.4	-1.0	+2.7	39,001	44,545	39,586	37,337	+4.5	156,984	146,280
Automotive equipment	20,814	22,303	20,716	-6.7	+7.7	+29.7	22,548	24,273	22,456	24,337	-7.4	84,542	93,848
Construction materials, supplies and intermediate products	17,554	17,529	17,903	+0.1	-2.1	+1.3	18,429	17,948	17,069	18,393	+0.2	68,839	68,335
Other materials, supplies, and intermediate products	93,574	94,236	92,869	-0.7	+1.5	+1.0	95,020	98,071	93,544	96,715	-1.8	373,677	373,835
Supplementary series:[2]													
Capital goods industries	44,186	44,970	44,984	-1.7	0.0	+3.0	42,481	48,987	43,329	41,692	+1.9	171,606	164,116
Nondefense	35,454	36,154	36,826	-1.9	-1.8	+4.7	34,363	39,319	35,563	33,618	+2.2	139,108	131,457
Excluding aircraft and parts	30,317	31,563	30,891	-3.9	+2.2	+2.7	29,282	34,195	29,912	29,325	-0.1	119,289	114,729
Defense	8,732	8,816	8,158	-1.0	+8.1	-3.9	8,118	9,668	7,766	8,074	+0.5	32,498	32,659
Household durable goods industries	6,745	7,047	7,069	-4.3	-0.3	+2.7	6,530	7,575	7,031	6,762	-3.4	27,018	26,882

See footnotes at end of table 2.

Table 2. **VALUE OF MANUFACTURERS' NEW ORDERS FOR INDUSTRY GROUPS, MARKET CATEGORIES AND SUPPLEMENTARY SERIES**
(Millions of dollars)

Industry	Seasonally adjusted						Not seasonally adjusted[1]						
	Monthly			Percent Change			Monthly				Percent change	Year to date	
	Apr. 1990[p]	Mar. 1990[r]	Feb. 1990[r]	Mar.-Apr.[p]	Feb.-Mar.[r]	Jan.-Feb.	Apr. 1990[p]	Mar. 1990[r]	Feb. 1990	Apr. 1989	Apr.90/89[p]	1990[p]	1989
All manufacturing industries	235,602	241,071	231,759	-2.3	+4.0	+1.8	236,083	255,140	234,078	240,054	-1.7	939,118	944,248
Manufacturing industries with unfilled orders	132,215	136,217	128,671	-2.9	+5.9	+0.6	130,925	146,630	130,684	132,925	-1.5	528,925	531,070
Durable goods industries	123,387	128,872	120,782	-4.3	+6.7	+2.4	124,463	139,645	123,474	130,202	-4.4	497,916	515,053
With unfilled orders	103,787	107,900	100,891	-3.8	+6.9	-0.1	102,692	117,376	102,640	105,817	-3.0	417,369	423,316
Stone, clay, and glass products	5,525	5,221	5,374	+5.8	-2.8	+2.1	5,664	5,296	5,274	5,536	+2.3	20,968	20,793
Primary metals	11,617	11,786	10,910	-1.4	+8.0	-4.2	11,820	12,872	11,760	13,001	-9.1	48,232	53,161
Blast furnaces, steel mills	4,626	4,680	4,422	-1.2	+5.8	-7.7	4,863	4,928	4,929	4,984	-2.4	19,902	21,769
Iron and steel foundries	871	998	793	-12.7	+25.9	+8.2	943	1,034	810	1,022	-7.7	3,568	3,849
Nonferrous and other primary metals	6,120	6,108	5,695	+0.2	+7.3	-3.0	6,014	6,910	6,021	6,995	-14.0	24,762	27,543
Fabricated metal products	13,916	14,186	13,543	-1.9	+4.7	-1.7	14,203	15,359	13,855	13,239	+7.3	55,840	52,507
Machinery, except electrical	21,693	22,334	22,343	-2.9	0.0	-0.6	21,769	24,616	21,970	22,765	-4.4	88,521	89,166
Engines and turbines	1,196	1,383	1,605	-13.5	-13.8	+1.3	1,083	1,389	1,506	1,323	-18.1	5,395	5,777
Construction, mining and material handling equipment	2,929	2,810	3,042	+4.2	-7.6	-11.6	3,104	3,189	3,003	3,188	-2.6	12,321	11,833
Metalworking machinery	852	1,068	928	-20.2	+15.1	-3.1	804	1,270	959	946	-15.0	3,885	4,085
Office and computing machines	6,025	6,180	5,798	-2.5	+6.6	-0.7	5,223	7,103	5,288	4,875	+7.1	21,957	20,468
Electrical machinery	20,381	19,588	19,921	+4.0	-1.7	+2.8	19,426	20,737	20,241	18,916	+2.7	78,699	77,116
Electrical transmission and distribution equipment and industrial apparatus	2,617	2,341	2,523	+11.8	-7.2	-6.8	2,556	2,528	2,674	2,601	-1.7	10,311	10,688
Communication equipment	7,038	6,208	6,336	+13.4	-2.0	+9.5	6,338	6,625	6,207	5,396	+17.5	24,709	23,522
Electronic components	4,789	4,936	4,752	-3.0	+3.9	-5.2	5,150	5,462	5,135	5,250	-1.9	20,473	19,394
Other electrical machinery	3,278	3,492	3,504	-6.1	-0.3	+12.0	3,060	3,515	3,505	3,256	-6.0	12,963	13,442
Transportation equipment	31,682	37,129	29,923	-14.7	+24.1	+10.1	32,486	41,010	31,852	37,755	-14.0	130,837	148,669
Aircraft, missiles, and parts.	10,779	15,364	9,109	-29.8	+68.7	-22.5	9,953	17,308	9,070	14,299	-30.4	46,963	55,389
Shipbuilding and military tank vehicles	834	858	1,653	-2.8	-48.1	137.5	723	835	1,635	328	120.4	3,727	3,121
Instruments and related products	6,472	6,555	6,715	-1.3	-2.4	+1.7	6,206	6,915	6,430	6,124	+1.3	25,791	24,428
Scientific and engineering instruments	4,325	4,354	4,580	-0.7	-4.9	+2.6	4,152	4,597	4,393	4,109	+1.0	17,505	16,350
All other durable goods	12,101	12,073	12,053	+0.2	+0.2	+1.7	12,889	12,840	12,092	12,866	+0.2	49,028	49,213
Nondurable goods industries	112,215	112,199	110,977	0.0	+1.1	+1.2	111,620	115,495	110,604	109,852	+1.6	441,202	429,195
With unfilled orders	28,428	28,317	27,780	+0.4	+1.9	+2.9	28,233	29,254	28,044	27,108	+4.2	111,556	107,754
Market categories:													
Home goods and apparel	14,150	14,145	14,098	0.0	+0.3	+0.7	13,526	15,277	14,895	14,406	-6.1	57,022	59,971
Consumer staples	48,197	48,072	47,298	+0.3	+1.6	+1.5	46,860	49,301	46,495	44,225	+6.0	185,849	175,288
Equipment and defense prod. except automotive	39,223	44,492	39,536	-11.8	+12.5	-5.6	37,386	48,123	38,603	41,888	-10.7	161,939	164,445
Automotive equipment	20,974	22,126	20,486	-5.2	+8.0	+28.4	22,762	24,072	22,333	24,101	-5.6	84,543	93,822
Construction materials, supplies and intermediate products	17,647	17,341	17,380	+1.8	-0.2	-1.8	18,525	17,843	16,766	18,248	+1.5	68,657	68,221
Other materials, supplies, and intermediate products	95,411	94,895	92,961	+0.5	+2.1	+1.7	97,024	100,524	94,986	97,186	-0.2	381,108	382,501
Supplementary series:													
Capital goods industries	44,907	48,912	43,770	-8.2	+11.7	-2.4	42,585	53,307	43,116	46,466	-8.4	179,676	188,214
Nondefense	36,871	40,889	36,094	-9.8	+13.3	-5.9	35,752	43,635	35,293	39,247	-8.9	148,787	153,222
Excluding aircraft and parts	30,437	30,491	30,835	-0.2	-1.1	+2.2	29,374	32,704	30,318	29,742	-1.2	119,466	118,993
Defense	8,036	8,023	7,676	+0.2	+4.5	+18.3	6,833	9,672	7,823	7,219	-5.3	30,889	34,992
Household durable goods industries	6,784	6,879	6,743	-1.4	+2.0	+2.7	6,644	7,770	7,083	6,978	-4.8	28,113	28,903

[p] Preliminary. [r] Revised.

[1] Shipments and new orders are the totals for the period and are adjusted for trading-day and calendar-month variations; unfilled orders and inventories are as of the end of the period and are not adjusted for trading-day or calendar-month variations.

[2] The supplementary series are regroupings of the separate industry categories:

Nondefense capital goods include machinery, except electrical (excluding farm machinery and equipment and machine shops); electrical machinery (excluding household appliances, radio and TV, and electronic components); railroad equipment; and the nondefense portions of ordnance; communication equipment; aircraft, missiles and parts; tanks, and shipbuilding, converting and repairing.

Defense capital goods include ordnance; communication equipment; aircraft, missiles and parts; tanks, and shipbuilding, converting and repairing.

Household durable goods industries include household furniture; kitchen articles and pottery; cutlery, handtools, and hardware; household appliances; radio and TV; ophthalmic goods; watches and clocks; and miscellaneous personal goods.

Table 3. **VALUE OF MANUFACTURERS' UNFILLED ORDERS FOR INDUSTRY GROUPS, MARKET CATEGORIES AND SUPPLEMENTARY SERIES**
(Millions of dollars)

Industry	Seasonally adjusted						Not seasonally adjusted[1]				
	Monthly			Percent Change			Monthly				Percent change
	Apr. 1990p	Mar. 1990r	Feb. 1990	Mar.-Apr.p	Feb.-Mar.r	Jan.-Feb.	Apr. 1990p	Mar. 1990r	Feb. 1990	Apr. 1989	Apr.90/89p
All manufacturing industries	517,676	516,426	512,654	+0.2	+0.7	-0.5	523,078	522,268	516,492	493,060	+6.1
Durable goods industries	498,027	496,730	492,947	+0.3	+0.8	-0.5	503,135	502,271	497,023	472,295	+6.5
Stone, clay, and glass products	5,051	4,916	5,082	+2.7	-3.3	-2.1	5,072	5,019	5,204	5,562	-8.8
Primary metals	23,056	22,756	22,362	+1.3	+1.8	-1.1	24,364	24,195	23,397	27,204	-10.4
Blast furnaces, steel mills	8,931	8,829	8,815	+1.2	+0.2	-1.6	9,699	9,573	9,613	11,472	-15.5
Iron and steel foundries	2,580	2,531	2,333	+1.9	+8.5	+1.2	2,647	2,563	2,375	2,467	+7.3
Nonferrous and other primary metals	11,545	11,396	11,214	+1.3	+1.6	-1.3	12,018	12,059	11,409	13,265	-9.4
Fabricated metal products	25,574	25,500	25,462	+0.3	+0.1	-1.1	25,690	25,658	25,501	28,115	-8.6
Machinery, except electrical	60,291	60,853	61,624	-0.9	-1.3	-0.2	60,839	61,137	62,140	62,277	-2.3
Engines and turbines	6,979	7,060	7,012	-1.1	+0.7	+3.4	6,742	6,959	7,096	4,711	+43.1
Construction, mining and material handling equipment	8,922	8,946	9,264	-0.3	-3.4	-1.2	9,199	9,193	9,370	9,522	-3.4
Metalworking machinery	4,378	4,570	4,576	-4.2	-0.1	-2.1	4,360	4,497	4,470	4,764	-8.5
Office and computing machines	12,456	12,453	12,406	0.0	+0.4	-0.9	12,568	12,229	12,347	13,045	-3.7
Electrical machinery	92,627	92,473	93,128	+0.2	-0.7	-0.7	93,186	93,222	94,073	92,420	+.8
Electrical transmission and distribution equipment and industrial apparatus	7,010	6,891	7,105	+1.7	-3.0	-0.3	7,049	6,939	7,192	7,382	-4.5
Communication equipment	65,249	65,156	65,476	+0.1	-0.5	-1.0	65,561	65,786	66,378	64,825	+1.1
Electronic components	14,102	14,245	14,232	-1.0	+0.1	-1.2	14,455	14,350	14,127	14,477	-.2
Other electrical machinery	5,184	5,151	5,171	+0.6	-0.4	+3.2	5,137	5,092	5,127	4,687	+9.6
Transportation equipment	269,734	268,513	263,525	+0.5	+1.9	-0.3	271,838	271,070	265,202	233,804	+16.3
Aircraft, missiles, and parts.	231,865	231,022	225,352	+0.4	+2.5	-0.6	234,031	233,632	227,035	196,144	+19.3
Shipbuilding and military tank vehicles	27,842	27,937	28,158	-0.3	-0.8	+2.8	27,520	27,678	27,922	25,807	+6.6
Instruments and related products	14,687	14,752	14,768	-0.4	-0.1	+1.2	14,632	14,759	14,787	14,540	+.6
Scientific and engineering instruments	13,685	13,755	13,807	-0.5	-0.4	+1.5	13,630	13,763	13,859	13,499	+1.0
All other durable goods	7,007	6,967	6,996	+0.6	-0.4	-3.6	7,514	7,211	6,719	8,373	-10.3
Nondurable goods industries	19,649	19,696	19,707	-0.2	-0.1	-1.4	19,943	19,997	19,469	20,765	-4.0
Market categories:											
Home goods and apparel	7,343	7,269	7,636	+1.0	-4.8	-6.4	7,827	7,678	7,609	9,122	-14.2
Consumer staples	735	796	805	-7.7	-1.1	-2.4	759	797	815	732	+3.7
Equipment and defense prod. except automotive	332,127	332,980	329,126	-0.3	+1.2	-0.5	333,978	335,593	332,015	304,862	+9.6
Automotive equipment	7,423	7,263	7,440	+2.2	-2.4	-3.0	7,683	7,469	7,670	8,837	-13.1
Construction materials, supplies and intermediate products	13,392	13,299	13,487	+0.7	-1.4	-3.7	13,577	13,481	13,586	15,027	-9.6
Other materials, supplies, and intermediate products	156,656	154,819	154,160	+1.2	+0.4	+0.1	159,254	157,250	154,797	154,480	+3.1
Supplementary series:											
Capital goods industries	403,206	402,485	398,543	+0.2	+1.0	-0.3	405,881	405,777	401,457	368,341	+10.2
Nondefense	239,762	238,345	233,610	+0.6	+2.0	-0.3	239,927	238,538	234,222	200,538	+19.6
Excluding aircraft and parts	91,432	91,312	92,384	+0.1	-1.2	-0.1	91,597	91,505	92,996	91,004	+.7
Defense	163,444	164,140	164,933	-0.4	-0.5	-0.3	165,954	167,239	167,235	167,803	-1.1
Household durable goods industries	5,328	5,289	5,457	+0.7	-3.1	-5.6	5,771	5,657	5,462	6,750	-14.5

See footnotes at end of table 2.

Table 4. **VALUE OF MANUFACTURERS' INVENTORIES FOR INDUSTRY GROUPS, MARKET CATEGORIES AND SUPPLEMENTARY SERIES**
(Millions of dollars)

Industry	Seasonally adjusted						Not seasonally adjusted[1]				
	Monthly			Percent Change			Monthly				Percent change
	Apr. 1990p	Mar. 1990r	Feb. 1990	Mar.-Apr.p	Feb.-Mar.r	Jan.-Feb.	Apr. 1990p	Mar. 1990r	Feb. 1990	Apr. 1989	Apr.90/89p
All manufacturing industries	372,276	371,746	373,169	+0.1	-0.4	-0.3	374,528	372,287	375,074	365,848	+2.4
Manufacturing industries with unfilled orders	259,767	258,753	260,326	+0.4	-0.6	-0.4	261,458	258,846	260,670	254,618	+2.7
Durable goods industries	246,536	245,435	247,095	+0.4	-0.7	-0.5	248,213	246,081	248,350	242,195	+2.5
With unfilled orders	228,105	227,150	228,807	+0.4	-0.7	-0.4	229,436	227,155	229,181	223,721	+2.6
Stone, clay, and glass products	7,762	7,727	7,758	+0.5	-0.4	-0.2	7,952	7,874	7,900	7,890	+.8
Primary metals	20,313	20,240	20,559	+0.4	-1.6	+0.2	20,425	20,146	20,679	21,123	-3.3
Blast furnaces, steel mills	10,481	10,482	10,672	0.0	-1.8	+0.4	10,345	10,228	10,614	10,396	-.5
Iron and steel foundries	1,292	1,266	1,306	+2.1	-3.1	-2.8	1,369	1,334	1,354	1,423	-3.8
Nonferrous and other primary metals	8,540	8,492	8,581	+0.6	-1.0	+0.3	8,711	8,584	8,711	9,304	-6.4
Fabricated metal products	23,667	23,681	23,933	-0.1	-1.1	-0.2	23,932	23,901	24,003	24,266	-1.4
Machinery, except electrical	47,902	47,714	48,277	+0.4	-1.2	-0.1	48,280	47,845	48,747	48,102	+.4
Engines and turbines	3,047	3,042	2,992	+0.2	+1.7	-0.6	3,044	2,979	2,934	3,088	-1.4
Construction, mining and material handling equipment	7,609	7,570	7,606	+0.5	-0.5	0.0	7,693	7,631	7,740	7,747	-.7
Metalworking machinery	3,222	3,156	3,153	+2.1	+0.1	0.0	3,193	3,113	3,159	3,160	+1.0
Office and computing machines	12,637	12,345	12,614	+2.4	-2.1	-0.7	12,700	12,188	12,650	12,247	+3.7
Electrical machinery	40,405	40,471	40,836	-0.2	-0.9	-0.3	40,745	40,393	40,697	41,904	-2.8
Electrical transmission and distribution equipment and industrial apparatus	5,083	5,123	5,164	-0.8	-0.8	-0.1	5,184	5,158	5,188	5,300	-2.2
Household appliances	2,929	2,929	2,926	0.0	+0.1	-0.6	3,116	3,046	3,011	3,122	-.2
Radio and TV	1,780	1,842	1,897	-3.4	-2.9	-1.1	1,816	1,763	1,824	1,712	+6.1
Communication equipment	15,470	15,517	15,879	-0.3	-2.3	-1.0	15,425	15,368	15,740	16,443	-6.2
Electronic components	8,772	8,727	8,596	+0.5	+1.5	+0.1	8,763	8,721	8,602	8,893	-1.5
Other electrical machinery	6,371	6,333	6,374	+0.6	-0.6	+0.9	6,441	6,337	6,332	6,434	+.1
Transportation equipment	73,706	72,869	73,119	+1.1	-0.3	-0.9	73,811	72,994	73,377	66,656	+10.7
Motor vehicles and parts	11,827	11,625	11,845	+1.7	-1.9	-2.6	11,882	11,787	12,319	12,170	-2.4
Aircraft, missiles, and parts.	57,088	56,507	56,432	+1.0	+0.1	-0.7	57,143	56,472	56,211	49,943	+14.4
Shipbuilding and military tank vehicles	2,591	2,567	2,559	+0.9	+0.3	+1.3	2,623	2,538	2,495	2,293	+14.4
Instruments and related products	14,011	14,067	14,095	-0.4	-0.2	-0.5	14,107	14,039	14,082	14,415	-2.1
Scientific and engineering instruments	10,367	10,386	10,392	-0.2	-0.1	-0.2	10,398	10,419	10,407	10,546	-1.4
All other durable goods	18,770	18,666	18,518	+0.6	+0.8	-1.3	18,961	18,889	18,865	17,839	+6.3
Nondurable goods industries	125,740	126,311	126,074	-0.5	+0.2	+0.2	126,315	126,206	126,724	123,653	+2.2
With unfilled orders	31,662	31,603	31,519	+0.2	+0.3	-0.1	32,022	31,691	31,489	30,897	+3.6
Food and kindred products	26,700	26,677	26,470	+0.1	+0.8	+0.4	26,082	26,102	26,594	26,036	+.2
Dairy products	2,645	2,609	2,515	+1.4	+3.7	-0.8	2,685	2,605	2,483	2,506	+7.1
Beverages	4,267	4,312	4,328	-1.0	-0.4	+2.9	4,340	4,364	4,386	4,454	-2.6
All other foods	15,600	15,634	15,587	-0.2	+0.3	0.0	14,664	14,880	15,517	14,275	+2.7
Tobacco products	5,730	5,748	5,837	-0.3	-1.5	+2.0	5,804	5,871	6,159	5,525	+5.0
Textile mill products	8,395	8,387	8,383	+0.1	0.0	+1.1	8,572	8,444	8,425	7,867	+9.0
Broadwoven fabrics	4,736	4,715	4,737	+0.4	-0.5	+1.1	4,831	4,756	4,786	4,518	+6.9
Paper and allied products	12,661	12,649	12,699	+0.1	-0.4	-0.2	12,839	12,777	12,819	12,173	+5.5
Pulp, paper etc.	4,988	4,954	4,979	+0.7	-0.5	-0.4	5,082	5,049	5,108	4,694	+8.3
Paperboard containers	3,244	3,236	3,247	+0.2	-0.3	-1.7	3,299	3,277	3,246	3,104	+6.3
All other paper products	4,429	4,459	4,473	-0.7	-0.3	+1.1	4,458	4,451	4,465	4,375	+1.9
Chemicals and allied products	28,822	28,735	28,497	+0.3	+0.8	-0.2	29,130	29,048	28,943	29,035	+.3
Industrial chemicals, except pigments	7,560	7,575	7,693	-0.2	-1.5	-1.0	7,620	7,620	7,863	8,005	-4.8
Drugs, soaps, and toiletries	9,820	9,783	9,753	+0.4	+0.3	-0.5	9,908	9,727	9,681	9,652	+2.7
Other chemical products	7,208	7,116	6,955	+1.3	+2.3	+0.4	7,302	7,187	7,085	7,236	+.9
Petroleum and coal products	10,944	11,389	11,310	-3.9	+0.7	+0.3	10,931	11,154	11,171	10,249	+6.7
Rubber and plastics products	10,219	10,199	10,337	+0.2	-1.3	-0.8	10,452	10,496	10,517	10,798	-3.2
All other nondurable goods	22,269	22,527	22,541	-1.1	-0.1	+0.2	22,505	22,314	22,096	21,970	+2.4
Market categories:											
Home goods and apparel	27,617	27,973	28,007	-1.3	-0.1	-0.1	28,127	27,853	27,802	26,866	+4.7
Consumer staples	46,377	46,315	46,226	+0.1	+0.2	+0.4	45,957	45,882	46,517	44,724	+2.8
Equipment and defense prod. except automotive	114,120	113,507	114,019	+0.5	-0.4	-0.8	114,732	113,738	114,407	109,673	+4.6
Automotive equipment	14,915	14,677	14,882	+1.6	-1.4	-1.7	14,976	14,943	15,485	15,207	-1.5
Construction materials, supplies and intermediate products	25,811	25,777	25,697	+0.1	+0.3	-0.4	26,238	26,202	26,106	25,572	+2.6
Other materials, supplies, and intermediate products	143,436	143,497	144,338	0.0	-0.6	+0.1	144,498	143,669	144,757	143,806	+.5
Supplementary series:[2]											
Capital goods industries	132,314	131,599	132,512	+0.5	-0.7	-0.4	132,909	131,418	132,395	125,989	+5.5
Nondefense	93,417	93,041	93,686	+0.4	-0.7	-0.8	94,033	92,826	94,045	89,629	+4.9
Excluding aircraft and parts	65,521	65,382	66,382	+0.2	-1.5	-0.3	66,080	65,349	66,583	66,288	-.3
Defense	38,897	38,558	38,826	+0.9	-0.7	+0.5	38,876	38,592	38,350	36,360	+6.9
Household durable goods industries	13,549	13,604	13,565	-0.4	+0.3	-0.7	13,798	13,617	13,605	13,382	+3.1

See footnotes at end of table 2.

Table 5. **VALUE OF MANUFACTURERS' INVENTORIES, BY STAGE OF FABRICATION, BY INDUSTRY GROUP**
(Millions of dollars)

Industry	Seasonally adjusted						Not seasonally adjusted				
	Monthly			Percent Change			Monthly				Percent change
	Apr. 1990[p]	Mar. 1990[r]	Feb. 1990	Mar.-Apr.[p]	Feb.-Mar.[r]	Jan.-Feb.	Apr. 1990[p]	Mar. 1990[r]	Feb. 1990	Apr. 1989	Apr.90/89[p]
MATERIALS AND SUPPLIES											
All manufacturing industries	113,587	113,807	114,145	-0.2	-0.3	-0.6	113,714	113,804	114,714	113,924	-.2
Durable goods industries	66,726	66,744	67,402	0.0	-1.0	-1.0	66,531	66,432	67,471	66,721	-.3
Stone, clay, and glass products	2,550	2,536	2,567	+0.6	-1.2	-1.9	2,567	2,535	2,584	2,540	+1.1
Primary metals	6,364	6,343	6,423	+0.3	-1.2	-0.1	6,174	6,114	6,382	6,274	-1.6
Fabricated metal products	8,400	8,478	8,595	-0.9	-1.4	-0.9	8,377	8,469	8,598	8,785	-4.6
Machinery, except electrical	12,358	12,437	12,677	-0.6	-1.9	-1.3	12,368	12,363	12,738	13,140	-5.9
Electrical machinery	11,070	11,155	11,279	-0.8	-1.1	-0.6	11,141	11,182	11,224	11,318	-1.6
Transportation equipment	13,473	13,331	13,482	+1.1	-1.1	-1.4	13,533	13,385	13,471	13,107	+3.3
Instruments and related products	5,052	5,103	5,082	-1.0	+0.4	-0.6	5,044	5,083	5,092	4,748	+6.2
Lumber, furniture and miscellaneous durable goods	7,459	7,361	7,297	+1.3	+0.9	-1.4	7,327	7,301	7,382	6,809	+7.6
Nondurable goods industries	46,861	47,063	46,743	-0.4	+0.7	0.0	47,183	47,372	47,243	47,203	.0
Food and kindred products	8,727	8,756	8,709	-0.3	+0.5	+1.3	8,801	8,789	8,827	9,139	-3.7
Tobacco products	4,375	4,350	4,326	+0.6	+0.6	+0.8	4,387	4,478	4,547	4,130	+6.2
Textile mill products	2,481	2,435	2,446	+1.9	-0.4	-1.3	2,555	2,448	2,462	2,334	+9.5
Paper and allied products	6,846	6,793	6,824	+0.8	-0.5	-0.3	6,878	6,840	6,880	6,488	+6.0
Chemicals and allied products	9,981	10,048	10,023	-0.7	+0.2	-0.4	10,025	10,083	10,133	10,138	-1.1
Petroleum and coal products	2,762	2,848	2,607	-3.0	+9.2	-3.4	2,828	2,861	2,602	2,444	+15.7
Rubber and plastics products	3,820	3,836	3,855	-0.4	-0.5	+0.8	3,809	3,861	3,864	4,113	-7.4
Apparel, printing and publishing and leather goods	7,869	7,997	7,953	-1.6	+0.6	+0.4	7,900	8,012	7,928	8,417	-6.1
WORK IN PROCESS											
All manufacturing industries	138,617	137,801	138,588	+0.6	-0.6	-0.9	139,248	138,070	138,582	134,237	+3.7
Durable goods industries	117,785	116,921	117,691	+0.7	-0.7	-1.0	118,321	117,139	117,753	113,381	+4.4
Stone, clay, and glass products	1,021	1,025	1,042	-0.4	-1.6	0.0	1,058	1,063	1,076	1,191	-11.2
Primary metals	8,059	8,089	8,293	-0.4	-2.5	-0.2	8,213	8,195	8,322	9,003	-8.8
Fabricated metal products	8,258	8,187	8,263	+0.9	-0.9	-1.3	8,425	8,284	8,284	8,551	-1.5
Machinery, except electrical	20,093	19,935	20,242	+0.8	-1.5	-2.7	20,248	20,016	20,177	19,537	+3.6
Electrical machinery	19,050	18,993	19,117	+0.3	-0.6	+0.2	19,038	18,811	19,042	20,352	-6.5
Transportation equipment	52,450	51,830	51,817	+1.2	0.0	-0.7	52,367	51,831	51,881	45,844	+14.2
Instruments and related products	5,072	5,085	5,149	-0.3	-1.2	-2.7	5,135	5,096	5,107	5,529	-7.1
Lumber, furniture and miscellaneous durable goods	3,782	3,777	3,768	+0.1	+0.2	0.0	3,837	3,843	3,864	3,693	+3.9
Nondurable goods industries	20,832	20,880	20,897	-0.2	-0.1	-0.5	20,927	20,931	20,829	20,537	+1.9
Food and kindred products	2,771	2,758	2,743	+0.5	+0.5	+0.5	2,770	2,790	2,742	2,720	+1.8
Tobacco products	250	243	244	+2.9	-0.4	-10.9	210	213	252	228	-7.9
Textile mill products	2,546	2,591	2,544	-1.7	+1.8	+1.0	2,563	2,631	2,558	2,437	+5.2
Paper and allied products	1,374	1,386	1,381	-0.9	+0.4	+1.5	1,379	1,378	1,354	1,372	+.5
Chemicals and allied products	4,936	4,789	4,775	+3.1	+0.3	-0.1	4,943	4,782	4,770	4,601	+7.4
Petroleum and coal products	2,882	3,166	3,184	-9.0	-0.6	-0.2	2,879	3,092	3,092	2,930	-1.7
Rubber and plastics products	1,375	1,363	1,387	+0.9	-1.7	-2.5	1,361	1,372	1,413	1,472	-7.5
Apparel, printing and publishing and leather goods	4,698	4,584	4,639	+2.5	-1.2	-1.6	4,822	4,673	4,648	4,777	+.9
FINISHED GOODS											
All manufacturing industries	120,072	120,138	120,436	-0.1	-0.2	+0.8	121,566	120,413	121,778	117,687	+3.3
Durable goods industries	62,025	61,770	62,002	+0.4	-0.4	+1.1	63,361	62,510	63,126	61,774	+2.6
Stone, clay, and glass products	4,191	4,166	4,149	+0.6	+0.4	+0.9	4,327	4,276	4,240	4,159	+4.0
Primary metals	5,890	5,808	5,843	+1.4	-0.6	+1.0	6,038	5,837	5,975	5,846	+3.3
Fabricated metal products	7,009	7,016	7,075	-0.1	-0.8	+2.1	7,130	7,148	7,121	6,930	+2.9
Machinery, except electrical	15,451	15,342	15,358	+0.7	-0.1	+4.5	15,664	15,466	15,832	15,425	+1.5
Electrical machinery	10,285	10,323	10,440	-0.4	-1.1	-0.9	10,566	10,400	10,431	10,234	+3.2
Transportation equipment	7,783	7,708	7,820	+1.0	-1.4	-1.2	7,911	7,778	8,025	7,705	+2.7
Instruments and related products	3,887	3,879	3,864	+0.2	+0.4	+2.9	3,928	3,860	3,883	4,138	-5.1
Lumber, furniture and miscellaneous durable goods	7,529	7,528	7,453	0.0	+1.0	-1.9	7,797	7,745	7,619	7,337	+6.3
Nondurable goods industries	58,047	58,368	58,434	-0.5	-0.1	+0.5	58,205	57,903	58,652	55,913	+4.1
Food and kindred products	15,202	15,163	15,018	+0.3	+1.0	-0.1	14,511	14,523	15,025	14,177	+2.4
Tobacco products	1,105	1,155	1,267	-4.3	-8.8	+9.6	1,207	1,180	1,360	1,167	+3.4
Textile mill products	3,368	3,361	3,393	+0.2	-0.9	+3.1	3,454	3,365	3,405	3,096	+11.6
Paper and allied products	4,441	4,470	4,494	-0.6	-0.5	-0.5	4,582	4,559	4,585	4,313	+6.2
Chemicals and allied products	13,905	13,898	13,699	+0.1	+1.5	-0.1	14,162	14,183	14,040	14,296	-.9
Petroleum and coal products	5,300	5,375	5,519	-1.4	-2.6	+2.5	5,224	5,201	5,477	4,875	+7.2
Rubber and plastics products	5,024	5,000	5,095	+0.5	-1.9	-1.5	5,282	5,263	5,240	5,213	+1.3
Apparel, printing and publishing and leather goods	9,702	9,946	9,949	-2.5	0.0	+0.9	9,783	9,629	9,520	8,776	+11.5

[p]Preliminary. [r]Revised.

Table 6. **RATIO OF MANUFACTURES' INVENTORIES TO SHIPMENTS AND UNFILLED ORDERS TO SHIPMENTS, BY INDUSTRY GROUP**
(Based on seasonally adjusted data)

Industry	Inventory / Shipments ratio				Unfilled Orders / Shipments ratio[1]			
	Apr. 1990P	Mar. 1990r	Feb. 1990	Jan. 1989	Apr. 1990P	Mar. 1990r	Feb. 1990r	Jan. 1989
All manufacturing industries	1.59	1.57	1.59	1.65	3.95	3.90	3.90	4.06
Durable goods industries	2.02	1.96	2.01	2.13	4.86	4.77	4.77	4.97
Stone, clay, and glass products	1.44	1.43	1.42	1.43	1.02	1.00	1.01	1.04
Primary metals	1.79	1.78	1.84	1.82	2.04	2.00	2.00	2.00
Fabricated metal products	1.71	1.67	1.73	1.77	2.03	1.99	2.04	2.12
Machinery, except electrical	2.15	2.07	2.15	2.18	2.88	2.81	2.92	2.95
Electrical machinery	2.00	2.00	1.98	2.06	4.58	4.57	4.52	4.71
Transportation equipment	2.42	2.27	2.37	2.90	13.60	13.26	13.09	14.96
Instruments and related products	2.14	2.14	2.16	2.15	2.25	2.25	2.26	2.22
Nondurable goods industries	1.12	1.13	1.13	1.14	0.69	0.70	0.70	0.73
Food and kindred products	0.80	0.79	0.80	0.81	(X)	(X)	(X)	(X)
Tobacco products	2.32	2.87	2.89	2.71	(X)	(X)	(X)	(X)
Textile mill products	1.64	1.62	1.61	1.58	(NA)	(NA)	(NA)	(NA)
Paper and allied products	1.17	1.15	1.18	1.19	(NA)	(NA)	(NA)	(NA)
Chemicals and allied products	1.32	1.33	1.34	1.36	(X)	(X)	(X)	(X)
Petroleum and coal products	0.89	0.91	0.89	0.88	(X)	(X)	(X)	(X)
Rubber and plastics products	1.34	1.33	1.36	1.39	(X)	(X)	(X)	(X)

P Preliminary. r Revised. (X) Not applicable. (NA) Not available.

[1] Excludes the following industries with no unfilled orders: Wood and lumber products; glass containers; metal cans, barrels and drums; farm machinery and equipment; motor vehicle assembly operations; other transportation equipment; foods and related products; tobacco; apparel and related products; building paper; die-cut paper and board; chemicals; petroleum and coal products; and rubber and plastics products.

Table 7. **AVERAGE REVISIONS TO PREVIOUSLY PUBLISHED MONTHLY PERCENT CHANGES**
(Based on seasonally adjusted data)

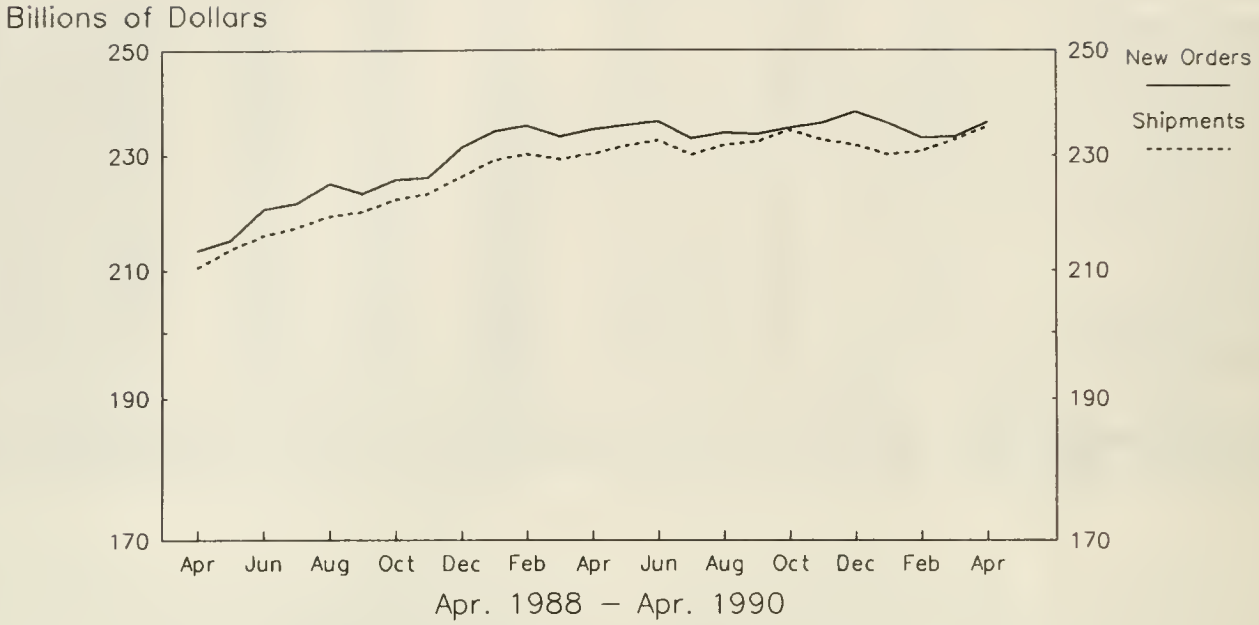
Industry	Shipments			New orders			Unfilled orders			Inventories		
	Apr. 1989	Apr.[1] 1985-1989	Apr. 1989-Mar. 1990	Apr. 1989	Apr.[1] 1985-1989	Apr. 1989-Mar. 1990	Apr. 1989	Apr.[1] 1985-1989	Apr. 1989-Mar. 1990	Apr. 1989	Apr.[1] 1985-1989	Apr. 1989-Mar. 1990
All manufacturing industries	0.2	0.3	0.2	0.2	0.3	0.3	0.0	0.1	0.1	0.0	0.0	0.1
Durable goods industries	0.3	0.3	0.2	0.2	0.6	0.5	0.1	0.2	0.1	0.0	0.4	0.1
Stone, clay, and glass products	2.1	1.2	0.7	1.9	0.8	0.8	0.2	0.8	0.5	0.2	0.2	0.2
Primary metals	0.1	0.5	0.4	2.2	1.1	0.7	1.1	0.4	0.3	0.1	0.1	0.1
Fabricated metal products	0.7	0.7	0.4	1.0	1.0	0.7	0.1	0.3	0.3	0.1	0.2	0.1
Machinery, except electrical	0.4	0.8	0.6	0.9	1.6	0.7	0.2	0.3	0.3	0.1	0.1	0.1
Electrical machinery	0.3	0.5	0.3	0.4	0.8	0.4	0.1	0.1	0.1	0.1	0.2	0.2
Transportation equipment	0.2	0.2	0.3	1.4	1.4	1.6	0.2	0.2	0.2	0.1	0.1	0.1
Instruments and related products	0.2	0.8	0.6	0.2	1.2	0.7	0.1	0.4	0.1	0.2	0.1	0.4
Nondurable goods industries	0.1	0.3	0.3	0.2	0.3	0.3	0.4	0.4	0.4	0.0	0.2	0.1
Food and kindred products	0.2	0.6	0.3	(X)	(X)	(X)	(X)	(X)	(X)	0.1	0.3	0.2
Tobacco products	0.0	0.1	0.4	(X)	(X)	(X)	(X)	(X)	(X)	0.0	0.3	0.1
Textile mill products	0.2	0.9	1.0	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	0.5	0.4	0.3
Paper and allied products	1.1	0.8	0.3	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	0.7	0.4	0.3
Chemicals and allied products	0.5	0.7	0.3	(X)	(X)	(X)	(X)	(X)	(X)	0.0	0.3	0.1
Petroleum and coal products	0.6	0.8	0.3	(X)	(X)	(X)	(X)	(X)	(X)	0.1	0.3	0.2
Rubber and plastics products	0.2	1.2	0.9	(X)	(X)	(X)	(X)	(X)	(X)	0.3	0.3	0.3
Capital goods industries:												
Nondefense	0.3	0.7	0.5	0.3	1.1	1.1	0.1	0.2	0.3	0.1	0.0	0.1
Defense	0.1	0.4	0.3	2.4	3.1	3.3	0.0	0.2	0.2	0.1	0.2	0.0

(X) Not applicable. (NA) Not available.

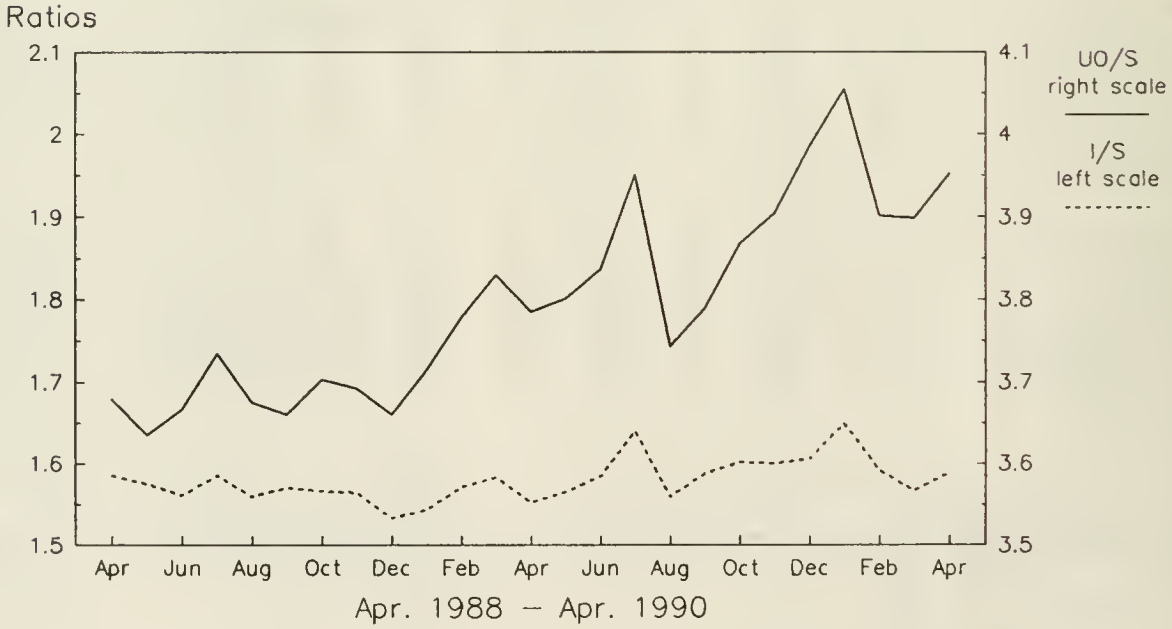
Note: The revisions are the differences between the month-to-month percent changes of the preliminary and final estimates. The monthly averages are the simple averages of the differences, without regard to sign, for the months specified. The advance to final percent change revisions for the durable goods industries are shown in the advance report for the month.

[1] Average for this month for the last five years.

Total Manufacturing
New Orders and Shipments
Three Month Moving Averages

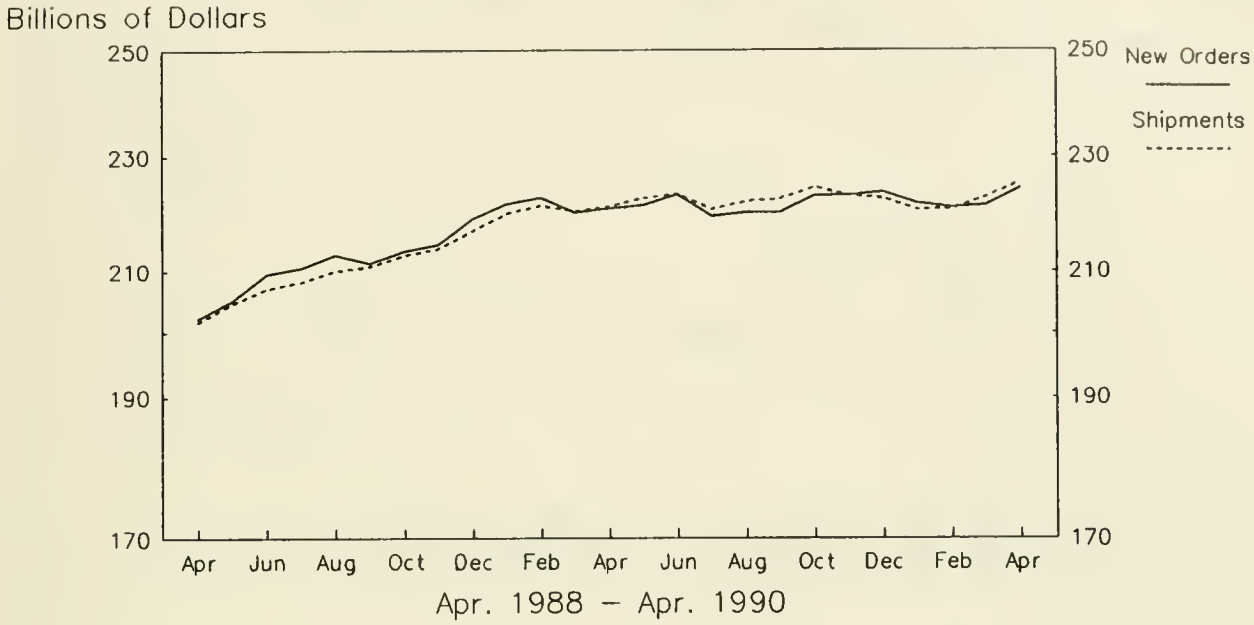


Total Manufacturing
Ratios of Unfilled Orders and Inventories to Shipments

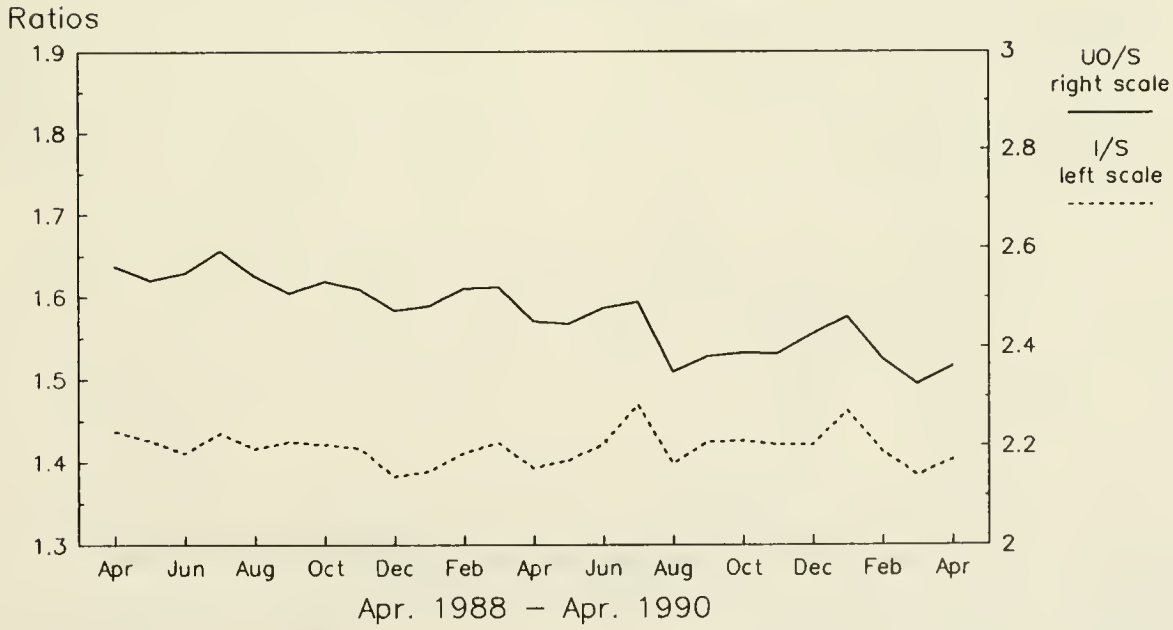


Note: All Charts based on seasonally adjusted current dollars.

Total Manufacturing Excluding Aircraft
New Orders and Shipments
Three Month Moving Averages

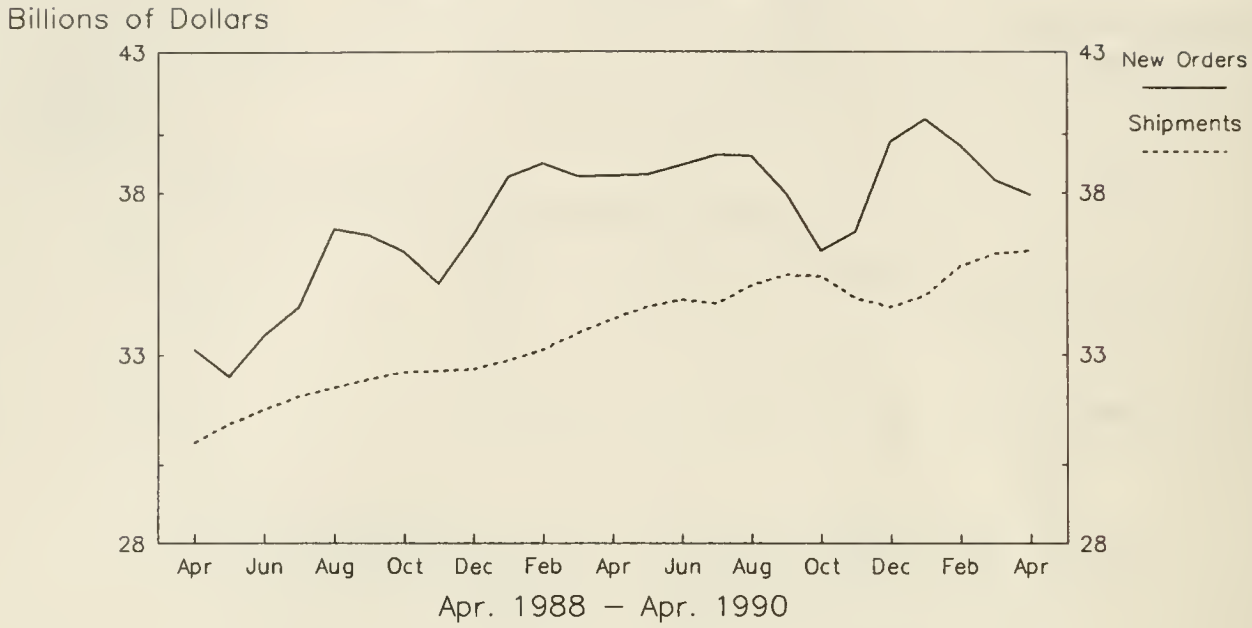


Total Manufacturing Excluding Aircraft
Ratios of Unfilled Orders and
Inventories to Shipments

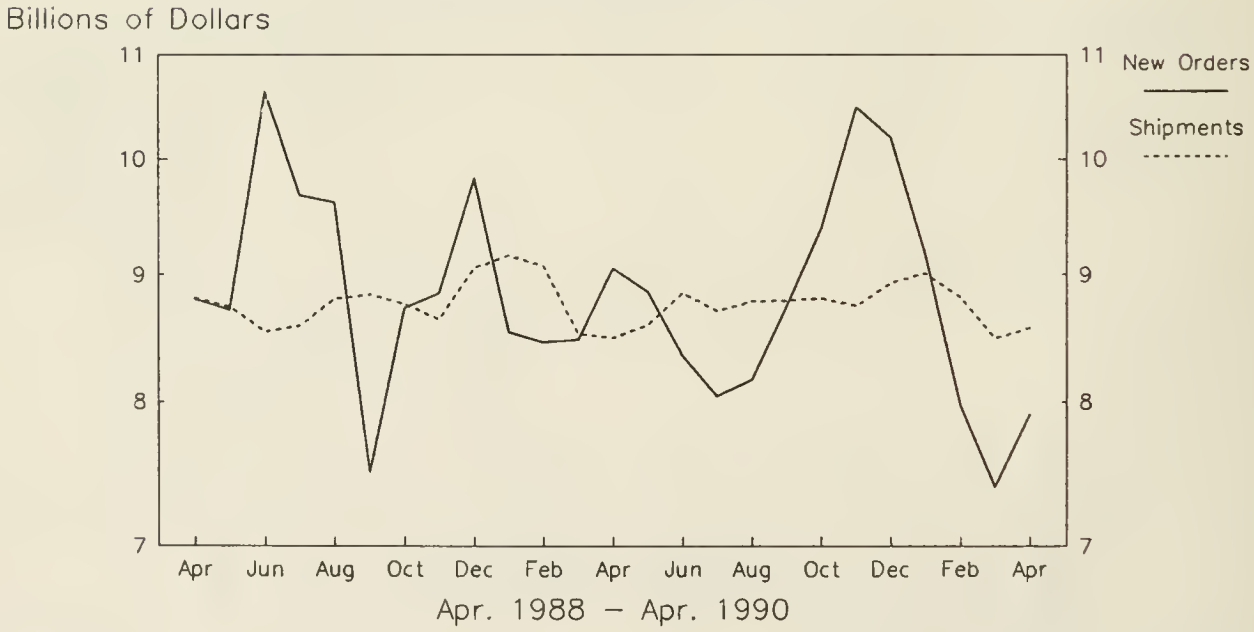


Note: All Charts based on seasonally adjusted current dollars.

Nondefense Capital Goods
New Orders and Shipments
Three Month Moving Averages



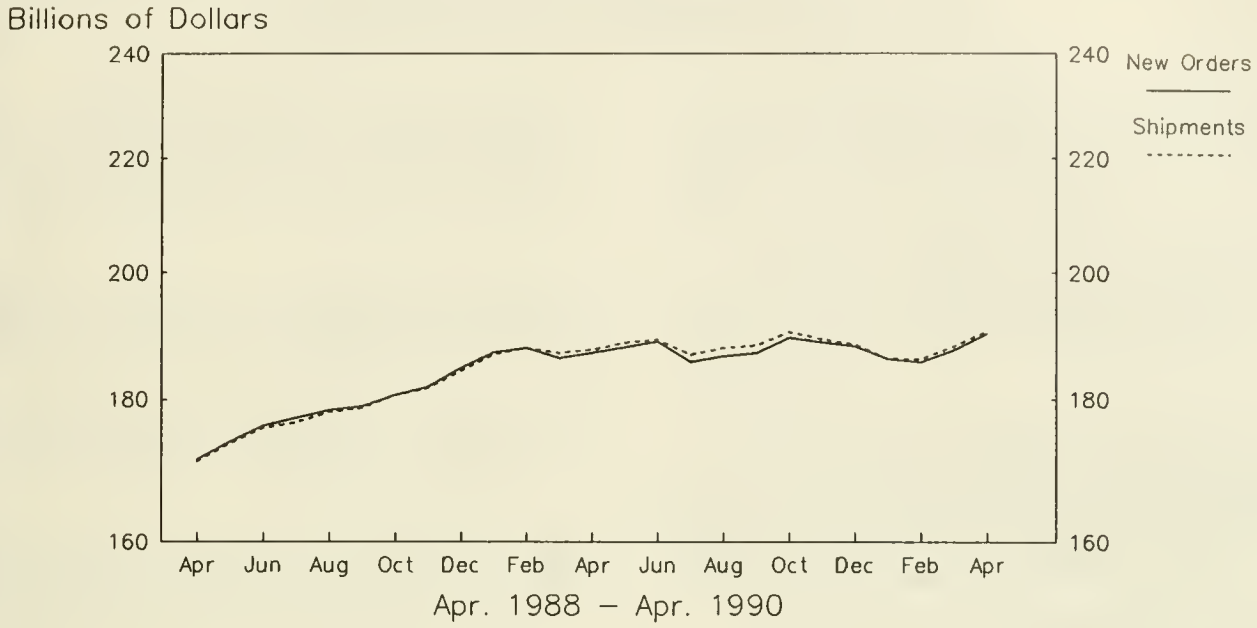
Defense Capital Goods
New Orders and Shipments
Three Month Moving Averages



Note: All Charts based on seasonally adjusted current dollars.

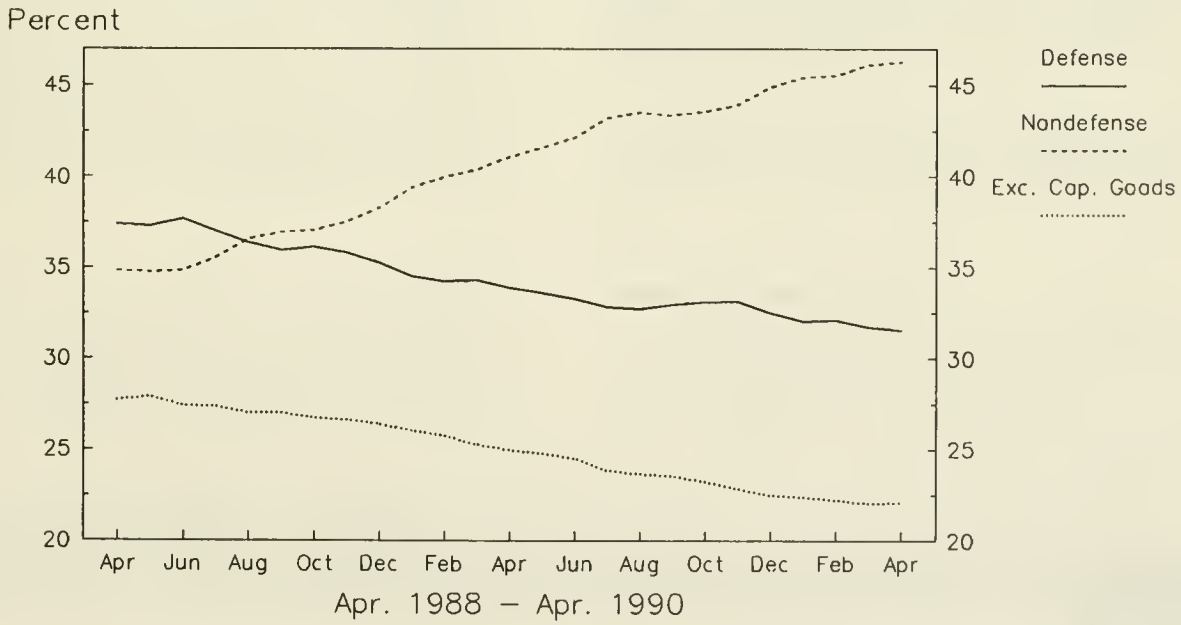
Manufacturing Excluding Capital Goods

New Orders and Shipments
Three Month Moving Averages



Defense and Nondefense Capital Goods and Manufacturing Excluding Capital Goods

Percent of Total Manufacturing Unfilled Orders



Note: All charts based on seasonally adjusted current dollars.

U.S. Department of Commerce
BUREAU OF THE CENSUS
Washington, D.C. 20233

Official Business
Penalty for Private Use, $300

U.S.MAIL

POSTAGE AND FEES PAI
U.S. DEPARTMENT OF COMMERC
COM-20

First Class Ma

C 3.158:M 3-1-(90)-5
Current Industrial Reports,...

Manufacturers' Shipments, Inventories, and Orders

May 1990

M3-1-(90)-5
For Wire Transmissions 10:00 a.m. E.D.T. Tuesday July 3, 1990

U. S. Department of Commerce
BUREAU OF THE CENSUS

(All figures in text are in seasonally adjusted current dollars)

Summary

New orders for manufactured goods in May increased $5.0 billion or 2.1 percent to $241.0 billion, the Department of Commerce, Bureau of the Census reported today. The increase offset last month's 2.1 percent decline; orders have been relatively flat since last November.

Shipments of manufactured goods in May increased $4.6 billion or 2.0 percent to $238.9 billion, more than offsetting last month's 1.3 percent decline and exceeding the previous high of $238.2 billion last August.

Unfilled orders in May increased $2.1 billion or 0.4 percent to $520.3 billion. Except for 2 small decreases, the order backlog has been increasing since February 1987.

Manufacturers' inventories in May at $372.4 billion showed no change from April, and have been relatively unchanged since last July. The inventory to shipments ratio in May was 1.56, down from 1.59 in April.

New Orders

The increase in new orders in May was concentrated in the durables sector, up $5.0 billion or 4.0 percent to $128.6 billion. Transportation equipment increased $3.3 billion or 10.1 percent to $35.5 billion; motor vehicles and parts accounted for most of the gain, although defense aircraft and parts orders were also up. Nonelectrical machinery and primary metals also increased. The gain in nonelectrical machinery was $0.8 billion or 3.5 percent to $22.3 billion; changes within the specific categories were mixed. Primary metals increased $0.2 billion or 1.7 percent to $11.8 billion; most of the increase was in the steel industry. New orders for nondurable goods were flat at $112.4 billion, with large offsetting movements in the specific categories.

Shipments

The increase in shipments in May was also concentrated in the durable goods sector, up $4.4 billion or 3.6 percent to $126.4 billion. Most of the major industries were up. Within transportation equipment, motor vehicles and parts increased $2.3 billion or 12.3 percent to $21.0 billion, continuing a year of volatile monthly sales. Fabricated metals increased $0.7 billion or 5.3 percent to $14.5 billion with over half the increase in building materials. Electrical machinery was up $0.4 billion or 2.2 percent to $20.6 billion; about half the increase was in electronic components.

Shipments of nondurables were up $0.3 billion or 0.2 percent to $112.5 billion. The largest increases were in foods, apparel and paper products; the largest declines were in printing and publishing and petroleum products.

Unfilled Orders

Unfilled orders for durable goods increased $2.2 billion or 0.4 percent to $500.5 billion. Nearly half of the order backlog is for aircraft and parts, which also accounted for most of this month's gain. Excluding the aircraft industry, the order backlog has been on a slight downward trend since February 1989.

Primary metals increased $0.3 billion or 1.3 percent to $23.3 billion; this is the fourth increase this year following a decline of 13.8 percent during the last 7 months of 1989. Backlogs in virtually all of the other major industries showed little change.

Inventories

Inventories of durable goods manufacturers were unchanged from April at $246.5 billion; the major industry groups also showed little change. Inventories of nondurables increased $0.2 billion or 0.2 percent to $125.9 billion. Changes within the specific categories were also small and nearly offsetting.

By stage of fabrication, materials and supplies decreased 0.3 percent, and work in progress and finished goods each increased 0.2 percent.

Scheduled Release Dates

The advance report on durable goods for June is scheduled for July 25, 1990 at 8:30 a.m. and the full report on August 2, 1990 at 10:00 a.m.

Address inquiries concerning these figures to U.S. Department of Commerce, Bureau of the Census, Industry Division, Washington, DC 20233 or call Ruth Runyan or Kathleen Menth, (301) 763-2502 or (301) 763-2512.
For sale by the Superintendent of Documents, U.S. Government Printing Office, Washington, DC 20402. This report is also available the day of issue through the Department of Commerce's online Economic Bulletin Board (N-8-1) (202-377-3870) and through the Census Bureau's online information service-CENDATA. CENDATA is available from Dialog Information Services, INC. (1-800-334-2464) and CompuServe (1-800-848-8199). The CENDATA staff at the Bureau of the Census (301-763-2074) can provide content information and general guidance.

SUPERINTENDENT OF DOCUMENTS
DEPOSITORY
AUG 3 1990
BOSTON PUBLIC LIBRARY
GOVERNMENT DOCUMENTS

Table 1. VALUE OF MANUFACTURERS' SHIPMENTS FOR INDUSTRY GROUPS, MARKET CATEGORIES AND SUPPLEMENTARY SERIES
(Millions of dollars)

Industry	Seasonally adjusted						Not seasonally adjusted[1]						
	Monthly			Percent Change			Monthly				Percent change	Year to date	
	May 1990p	Apr. 1990r	Mar. 1990	Apr.-May p	Mar.-Apr. r	Feb.-Mar.	May 1990p	Apr. 1990r	Mar. 1990	May 1989	May90/89p	1990p	1989
All manufacturing industries	238,904	234,259	237,299	+2.0	-1.3	+1.2	240,821	234,628	249,364	233,725	+3.0	1,166,158	1,148,847
Manufacturing industries with unfilled orders	133,497	130,892	132,445	+2.0	-1.2	+0.8	133,302	129,770	140,854	127,503	+4.5	648,746	629,447
Durable goods industries	126,399	122,031	125,089	+3.6	-2.4	+1.5	128,599	123,058	134,397	124,193	+3.5	613,463	610,908
With unfilled orders	105,147	102,371	104,117	+2.7	-1.7	+0.8	105,497	101,435	112,128	100,808	+4.7	509,962	495,786
Stone, clay, and glass products	5,447	5,352	5,387	+1.8	-0.6	-1.7	5,607	5,532	5,481	5,556	+0.9	26,571	26,399
Primary metals	11,496	11,303	11,392	+1.7	-0.8	+2.0	11,736	11,615	12,074	12,537	-6.4	57,637	63,638
Blast furnaces, steel mills	4,702	4,542	4,666	+3.5	-2.7	+2.2	4,885	4,742	4,968	5,239	-6.8	23,647	26,261
Iron and steel foundries	834	828	800	+0.7	+3.5	+4.6	903	863	846	939	-3.8	4,099	4,501
Nonferrous and other primary metals	5,960	5,933	5,926	+0.5	+0.1	+1.5	5,948	6,010	6,260	6,359	-6.5	29,891	32,876
Fabricated metal products	14,525	13,794	14,148	+5.3	-2.5	+2.2	15,124	14,063	15,202	13,760	+9.9	70,578	66,344
Machinery, except electrical	22,169	22,058	23,105	+0.5	-4.5	+2.9	21,953	21,900	25,619	21,972	-0.1	110,321	108,140
Engines and turbines	1,301	1,277	1,335	+1.9	-4.3	-2.8	1,311	1,300	1,526	1,355	-3.2	6,663	7,023
Construction, mining and material handling equipment	2,995	2,939	3,128	+1.9	-6.0	-0.9	3,079	3,087	3,366	2,875	+7.1	15,322	13,709
Metalworking machinery	1,047	1,039	1,074	+0.8	-3.3	+4.5	1,033	935	1,243	1,004	+2.9	5,084	4,907
Office and computing machines	5,917	5,890	6,133	+0.5	-4.0	+3.7	5,278	4,773	7,221	5,170	+2.1	26,863	25,663
Electrical machinery	20,634	20,197	20,243	+2.2	-0.2	-1.7	20,157	19,386	21,588	19,324	+4.3	99,085	96,410
Electrical transmission and distribution equipment and industrial apparatus	2,526	2,496	2,555	+1.2	-2.3	+0.5	2,504	2,447	2,781	2,487	+0.7	12,578	12,641
Household appliances	1,635	1,657	1,689	-1.3	-1.9	-0.1	1,646	1,664	1,784	1,645	+0.1	8,189	8,039
Radio and TV	979	934	1,036	+4.8	-9.8	-2.3	812	718	1,017	843	-3.7	4,352	4,407
Communication equipment	6,875	6,954	6,528	-1.1	+6.5	-7.1	6,716	6,580	7,217	6,284	+6.9	32,895	30,517
Electronic components	5,077	4,874	4,923	+4.2	-1.0	-0.1	5,026	4,954	5,239	4,695	+7.1	24,822	24,017
Other electrical machinery	3,542	3,282	3,512	+7.9	-6.5	+5.0	3,453	3,023	3,550	3,370	+2.5	16,249	16,789
Transportation equipment	33,269	30,821	32,141	+7.9	-4.1	+4.2	35,110	31,773	35,142	32,534	+7.9	156,930	159,866
Motor vehicles and parts	21,021	18,718	19,935	+12.3	-6.1	+8.5	23,000	20,030	21,806	21,266	+8.2	98,342	105,459
Aircraft, missiles, and parts.	10,263	10,093	9,694	+1.7	+4.1	-7.5	10,098	9,650	10,711	8,997	+12.2	48,173	43,374
Shipbuilding and military tank vehicles	945	932	1,079	+1.4	-13.6	+21.6	928	887	1,079	910	+2.0	4,514	4,461
Instruments and related products	6,661	6,548	6,571	+1.7	-0.4	+0.5	6,668	6,319	6,943	6,387	+4.4	32,333	30,975
Scientific and engineering instruments	4,536	4,417	4,406	+2.7	+0.2	+0.8	4,509	4,282	4,693	4,210	+7.1	21,961	20,708
All other durable goods	12,198	11,958	12,102	+2.0	-1.2	-1.7	12,244	12,470	12,348	12,123	+1.0	60,008	59,136
Nondurable goods industries	112,505	112,228	112,210	+0.2	0.0	+0.9	112,222	111,570	114,967	109,532	+2.5	552,695	537,939
With unfilled orders	28,350	28,521	28,328	-0.6	+0.7	+1.0	27,805	28,335	28,726	26,695	+4.2	138,784	133,661
Food and kindred products	33,915	33,331	33,737	+1.8	-1.2	+1.3	34,050	32,678	34,491	32,421	+5.0	164,616	158,184
Dairy products	4,883	4,818	4,868	+1.3	-1.0	+2.1	4,966	4,744	4,941	4,336	+14.5	23,796	20,869
Beverages	4,254	4,042	4,367	+5.2	-7.4	+1.9	4,509	4,305	4,236	4,485	+0.5	20,596	20,631
All other foods	16,012	15,760	15,614	+1.6	+0.9	+0.7	15,564	15,037	16,563	14,818	+5.0	77,438	74,216
Tobacco products	2,243	2,413	2,001	-7.0	+20.6	-0.8	2,476	2,108	2,387	2,267	+9.2	10,038	9,184
Textile mill products	5,151	5,106	5,180	+0.9	-1.4	-0.5	5,115	5,009	5,446	5,268	-2.9	25,293	26,258
Broadwoven fabrics	2,900	2,986	3,012	-2.9	-0.9	-0.2	2,955	2,951	3,173	3,334	-11.4	14,838	16,140
Paper and allied products	11,031	10,801	10,985	+2.1	-1.7	+2.0	10,945	10,798	11,249	10,787	+1.5	54,550	54,744
Pulp, paper etc.	4,706	4,559	4,727	+3.2	-3.6	+2.4	4,683	4,602	4,837	4,866	-3.8	23,433	24,699
Paperboard containers	2,675	2,622	2,676	+2.0	-2.0	-1.0	2,723	2,644	2,729	2,732	-0.3	13,432	13,591
All other paper products	3,650	3,620	3,582	+0.8	+1.1	+4.0	3,539	3,552	3,683	3,189	+11.0	17,685	16,454
Chemicals and allied products	21,838	21,821	21,595	+0.1	+1.0	+1.7	22,035	22,762	22,834	21,739	+1.4	109,767	108,448
Industrial chemicals, except pigments	5,736	5,705	5,689	+0.5	+0.3	-1.3	5,834	5,948	5,982	5,951	-2.0	29,017	30,198
Drugs, soaps, and toiletries	7,345	7,309	7,173	+0.5	+1.9	+3.7	6,750	6,895	7,420	6,229	+8.4	35,041	32,262
Other chemical products	5,810	5,731	5,741	+1.4	-0.2	+0.8	5,990	5,875	6,014	5,955	+0.6	29,212	29,184
Petroleum and coal products	11,931	12,257	12,452	-2.7	-1.6	-1.7	12,068	12,096	11,860	11,933	+1.1	60,400	54,844
Rubber and plastics products	7,496	7,472	7,659	+0.3	-2.4	+0.9	7,751	7,722	8,100	8,516	-9.0	38,186	41,229
All other nondurable goods	18,900	19,027	18,601	-0.7	+2.3	+0.7	17,782	18,397	18,600	16,601	+7.1	89,845	85,048
Market categories:													
Home goods and apparel	14,767	14,108	14,512	+4.7	-2.8	-0.8	13,854	13,321	15,208	13,691	+1.2	69,769	71,115
Consumer staples	48,667	48,323	48,081	+0.7	+0.5	+1.6	48,467	47,027	49,319	45,503	+6.5	234,565	220,903
Equipment and defense prod. except automotive	40,034	39,981	40,638	+0.1	-1.6	-1.0	39,517	38,886	44,545	37,907	+4.2	196,386	184,187
Automotive equipment	23,368	21,004	22,303	+11.3	-5.8	+7.7	25,425	22,485	24,273	23,797	+6.8	109,904	117,645
Construction materials, supplies and intermediate products	17,830	17,374	17,529	+2.6	-0.9	-2.1	18,214	18,218	17,948	17,729	+2.7	86,842	86,064
Other materials, supplies, and intermediate products	94,238	93,469	94,236	+0.8	-0.8	+1.5	95,344	94,691	98,071	95,098	+0.3	468,692	468,933
Supplementary series:[2]													
Capital goods industries	44,483	44,214	44,970	+0.6	-1.7	0.0	43,556	42,486	48,987	42,168	+3.3	215,167	206,284
Nondefense	35,307	35,296	36,154	0.0	-2.4	-1.8	34,606	34,262	39,319	33,680	+2.7	173,613	165,137
Excluding aircraft and parts	30,333	30,176	31,563	+0.5	-4.4	+2.2	29,636	29,181	34,195	29,245	+1.3	148,824	143,974
Defense	9,176	8,918	8,816	+2.9	+1.2	+8.1	8,950	8,224	9,668	8,488	+5.4	41,554	41,147
Household durable goods industries	6,918	6,703	7,047	+3.2	-4.9	-0.3	6,712	6,496	7,575	6,692	+0.3	33,696	33,574

See footnotes at end of table 2.

Table 2. VALUE OF MANUFACTURERS' NEW ORDERS FOR INDUSTRY GROUPS, MARKET CATEGORIES AND SUPPLEMENTARY SERIES
(Millions of dollars)

Industry	Seasonally adjusted						Not seasonally adjusted[1]						
	Monthly			Percent Change			Monthly				Percent change	Year to date	
	May 1990[p]	Apr. 1990[r]	Mar. 1990	Apr.-May[p]	Mar.-Apr.[r]	Feb.-Mar.	May 1990[p]	Apr. 1990[r]	Mar. 1990	May 1989	May90/89[p]	1990[p]	1989
All manufacturing industries	240,977	236,026	241,071	+2.1	-2.1	+4.0	240,070	235,748	255,140	231,196	+3.8	1,178,853	1,175,444
Manufacturing industries with unfilled orders	135,570	132,659	136,217	+2.2	-2.6	+5.9	132,551	130,890	146,630	124,974	+6.1	661,441	656,044
Durable goods industries	128,562	123,609	128,872	+4.0	-4.1	+6.7	128,211	123,957	139,645	121,766	+5.3	625,621	636,819
With unfilled orders	107,310	103,949	107,900	+3.2	-3.7	+6.9	105,109	102,334	117,376	98,381	+6.8	522,120	521,697
Stone, clay, and glass products	5,387	5,535	5,221	-2.7	+6.0	-2.8	5,590	5,637	5,296	5,648	-1.0	26,531	26,441
Primary metals	11,792	11,594	11,786	+1.7	-1.6	+8.0	11,756	11,679	12,872	12,160	-3.3	59,847	65,321
Blast furnaces, steel mills	4,909	4,655	4,680	+5.5	-0.5	+5.8	4,898	4,781	4,928	4,645	+5.4	24,718	26,414
Iron and steel foundries	869	853	998	+1.9	-14.5	+25.9	873	929	1,034	924	-5.5	4,427	4,773
Nonferrous and other primary metals	6,014	6,086	6,108	-1.2	-0.4	+7.3	5,985	5,969	6,910	6,591	-9.2	30,702	34,134
Fabricated metal products	14,184	13,827	14,186	+2.6	-2.5	+4.7	14,674	14,086	15,359	13,171	+11.4	70,397	65,678
Machinery, except electrical	22,260	21,500	22,334	+3.5	-3.7	0.0	21,905	21,611	24,616	21,884	+0.1	110,268	111,050
Engines and turbines	1,435	1,189	1,383	+20.7	-14.0	-13.8	1,410	1,084	1,389	1,488	-5.2	6,806	7,265
Construction, mining and material handling equipment	2,932	2,972	2,810	-1.3	+5.8	-7.6	2,772	3,179	3,189	2,660	+4.2	15,168	14,493
Metalworking machinery	927	845	1,068	+9.7	-20.9	+15.1	913	788	1,270	904	+1.0	4,782	4,989
Office and computing machines	6,021	5,957	6,180	+1.1	-3.6	+6.6	5,577	5,147	7,103	5,166	+8.0	27,458	25,634
Electrical machinery	20,614	20,444	19,588	+0.8	+4.4	-1.7	19,589	19,419	20,737	17,740	+10.4	98,281	94,856
Electrical transmission and distribution equipment and industrial apparatus	2,464	2,611	2,341	-5.6	+11.5	-7.2	2,428	2,553	2,528	2,387	+1.7	12,736	13,075
Communication equipment	6,768	7,012	6,208	-3.5	+13.0	-2.0	5,997	6,284	6,625	5,241	+14.4	30,652	28,763
Electronic components	5,308	4,894	4,936	+8.5	-0.9	+3.9	5,282	5,206	5,462	4,295	+23.0	25,811	23,689
Other electrical machinery	3,550	3,307	3,492	+7.3	-5.3	-0.3	3,476	3,066	3,515	3,345	+3.9	16,445	16,787
Transportation equipment	35,505	32,234	37,129	+10.1	-13.2	+24.1	35,780	32,560	41,010	32,814	+9.0	166,691	181,483
Aircraft, missiles, and parts.	12,454	11,108	15,364	+12.1	-27.7	+68.7	10,772	10,049	17,308	9,489	+13.5	57,831	64,878
Shipbuilding and military tank vehicles	470	801	858	-41.3	-6.6	-48.1	651	736	835	1,297	-49.8	4,391	4,418
Instruments and related products	6,601	6,471	6,555	+2.0	-1.3	-2.4	6,552	6,194	6,915	6,301	+4.0	32,331	30,729
Scientific and engineering instruments	4,495	4,336	4,354	+3.7	-0.4	-4.9	4,415	4,151	4,597	4,129	+6.9	21,919	20,479
All other durable goods	12,219	12,004	12,073	+1.8	-0.6	+0.2	12,365	12,771	12,840	12,048	+2.6	61,275	61,261
Nondurable goods industries	112,415	112,417	112,199	0.0	+0.2	+1.1	111,859	111,791	115,495	109,430	+2.2	553,232	538,625
With unfilled orders	28,260	28,710	28,317	-1.6	+1.4	+1.9	27,442	28,556	29,254	26,593	+3.2	139,321	134,347
Market categories:													
Home goods and apparel	14,638	14,159	14,145	+3.4	+0.1	+0.3	13,783	13,466	15,277	13,595	+1.4	70,745	73,566
Consumer staples	48,622	48,254	48,072	+0.8	+0.4	+1.6	48,339	46,989	49,301	45,638	+5.9	234,317	220,926
Equipment and defense prod. except automotive	40,602	39,126	44,492	+3.8	-12.1	+12.5	38,488	37,194	48,123	37,629	+2.3	200,235	202,074
Automotive equipment	23,733	21,220	22,126	+11.8	-4.1	+8.0	25,543	22,711	24,072	23,280	+9.7	110,035	117,102
Construction materials, supplies and intermediate products	17,691	17,526	17,341	+0.9	+1.1	-0.2	18,086	18,380	17,843	17,719	+2.1	86,598	85,940
Other materials, supplies, and intermediate products	95,691	95,741	94,895	-0.1	+0.9	+2.1	95,831	97,008	100,524	93,335	+2.7	476,923	475,836
Supplementary series:													
Capital goods industries	46,051	44,979	48,912	+2.4	-8.0	+11.7	42,987	42,501	53,307	41,385	+3.9	222,579	229,599
Nondefense	36,033	36,573	40,889	-1.5	-10.6	+13.3	35,025	35,581	43,635	36,098	-3.0	183,641	189,320
Excluding aircraft and parts	30,196	30,156	30,491	+0.1	-1.1	-1.1	29,192	29,203	32,704	28,938	+0.9	148,487	147,931
Defense	10,018	8,406	8,023	+19.2	+4.8	+4.5	7,962	6,920	9,672	5,287	+50.6	38,938	40,279
Household durable goods industries	6,815	6,718	6,879	+1.4	-2.3	+2.0	6,605	6,600	7,770	6,503	+1.6	34,674	35,406

[p] Preliminary. [r] Revised.

[1] Shipments and new orders are the totals for the period and are adjusted for trading-day and calendar-month variations; unfilled orders and inventories are as of the end of the period and are not adjusted for trading-day or calendar-month variations.

[2] The supplementary series are regroupings of the separate industry categories:

Nondefense capital goods include machinery, except electrical (excluding farm machinery and equipment and machine shops); electrical machinery (excluding household appliances, radio and TV, and electronic components); railroad equipment; and the nondefense portions of ordnance; communication equipment; aircraft, missiles and parts; tanks, and shipbuilding, converting and repairing.

Defense capital goods include ordnance; communication equipment; aircraft, missiles and parts; tanks, and shipbuilding, converting and repairing.

Household durable goods industries include household furniture; kitchen articles and pottery; cutlery, handtools, and hardware; household appliances; radio and TV; ophthalmic goods; watches and clocks; and miscellaneous personal goods.

Table 3. VALUE OF MANUFACTURERS' UNFILLED ORDERS FOR INDUSTRY GROUPS, MARKET CATEGORIES AND SUPPLEMENTARY SERIES
(Millions of dollars)

Industry	Seasonally adjusted						Not seasonally adjusted[1]				
	Monthly			Percent Change			Monthly				Percent change
	May 1990[p]	Apr. 1990[r]	Mar. 1990	Apr.-May[p]	Mar.-Apr.[r]	Feb.-Mar.	May 1990[p]	Apr. 1990[r]	Mar. 1990	May 1989	May90/89[p]
All manufacturing industries	520,266	518,193	516,426	+0.4	+0.3	+0.7	522,637	523,388	522,268	490,531	+6.5
Durable goods industries	500,471	498,308	496,730	+0.4	+0.3	+0.8	502,782	503,170	502,271	469,868	+7.0
Stone, clay, and glass products	5,039	5,099	4,916	-1.2	+3.7	-3.3	5,107	5,124	5,019	5,654	-9.7
Primary metals	23,343	23,047	22,756	+1.3	+1.3	+1.8	24,279	24,259	24,195	26,827	-9.5
Blast furnaces, steel mills	9,149	8,942	8,829	+2.3	+1.3	+0.2	9,625	9,612	9,573	10,878	-11.5
Iron and steel foundries	2,591	2,556	2,531	+1.4	+1.0	+8.5	2,599	2,629	2,563	2,452	+6.0
Nonferrous and other primary metals	11,603	11,549	11,396	+0.5	+1.3	+1.6	12,055	12,018	12,059	13,497	-10.7
Fabricated metal products	25,192	25,533	25,500	-1.3	+0.1	+0.1	25,231	25,681	25,658	27,526	-8.3
Machinery, except electrical	60,386	60,295	60,853	+0.2	-0.9	-1.3	60,800	60,848	61,137	62,189	-2.2
Engines and turbines	7,106	6,972	7,060	+1.9	-1.2	+0.7	6,842	6,743	6,959	4,844	+41.2
Construction, mining and material handling equipment	8,916	8,979	8,946	-0.7	+0.4	-3.4	8,978	9,285	9,193	9,307	-3.5
Metalworking machinery	4,256	4,376	4,570	-2.7	-4.2	-0.1	4,230	4,350	4,497	4,664	-9.3
Office and computing machines	12,624	12,520	12,453	+0.8	+0.5	+0.4	12,902	12,603	12,229	13,041	-1.1
Electrical machinery	92,700	92,720	92,473	0.0	+0.3	-0.7	92,687	93,255	93,222	90,836	+2.0
Electrical transmission and distribution equipment and industrial apparatus	6,944	7,006	6,891	-0.9	+1.7	-3.0	6,969	7,045	6,939	7,282	-4.3
Communication equipment	65,107	65,214	65,156	-0.2	+0.1	-0.5	64,771	65,490	65,786	63,782	+1.6
Electronic components	14,496	14,265	14,245	+1.6	+0.1	+0.1	14,858	14,602	14,350	14,077	+5.5
Other electrical machinery	5,184	5,176	5,151	+0.2	+0.5	-0.4	5,158	5,135	5,092	4,662	+10.6
Transportation equipment	272,162	269,926	268,513	+0.8	+0.5	+1.9	272,527	271,857	271,070	234,084	+16.4
Aircraft, missiles, and parts.	234,228	232,037	231,022	+0.9	+0.4	+2.5	234,705	234,031	233,632	196,636	+19.4
Shipbuilding and military tank vehicles	27,331	27,806	27,937	-1.7	-0.5	-0.8	27,250	27,527	27,678	26,194	+4.0
Instruments and related products	14,615	14,675	14,752	-0.4	-0.5	-0.1	14,518	14,634	14,759	14,454	+.4
Scientific and engineering instruments	13,633	13,674	13,755	-0.3	-0.6	-0.4	13,538	13,632	13,763	13,418	+.9
All other durable goods	7,034	7,013	6,967	+0.3	+0.7	-0.4	7,633	7,512	7,211	8,298	-8.0
Nondurable goods industries	19,795	19,885	19,696	-0.5	+1.0	-0.1	19,855	20,218	19,997	20,663	-3.9
Market categories:											
Home goods and apparel	7,191	7,320	7,269	-1.8	+0.7	-4.8	7,752	7,823	7,678	9,026	-14.1
Consumer staples	682	727	796	-6.2	-8.7	-1.1	631	759	797	867	-27.2
Equipment and defense prod. except automotive	332,693	332,125	332,980	+0.2	-0.3	+1.2	332,872	333,901	335,593	304,584	+9.3
Automotive equipment	7,844	7,479	7,263	+4.9	+3.0	-2.4	7,813	7,695	7,469	8,320	-6.1
Construction materials, supplies and intermediate products	13,312	13,451	13,299	-1.0	+1.1	-1.4	13,515	13,643	13,481	15,017	-10.0
Other materials, supplies, and intermediate products	158,544	157,091	154,819	+0.9	+1.5	+0.4	160,054	159,567	157,250	152,717	+4.8
Supplementary series:											
Capital goods industries	404,818	403,250	402,485	+0.4	+0.2	+1.0	405,223	405,792	405,777	367,558	+10.2
Nondefense	240,348	239,622	238,345	+0.3	+0.5	+2.0	240,276	239,857	238,538	202,956	+18.4
Excluding aircraft and parts	91,155	91,292	91,312	-0.2	0.0	-1.2	91,083	91,527	91,505	90,697	+.4
Defense	164,470	163,628	164,140	+0.5	-0.3	-0.5	164,947	165,935	167,239	164,602	+.2
Household durable goods industries	5,201	5,304	5,289	-1.9	+0.3	-3.1	5,654	5,761	5,657	6,561	-13.8

See footnotes at end of table 2.

Table 4. VALUE OF MANUFACTURERS' INVENTORIES FOR INDUSTRY GROUPS, MARKET CATEGORIES AND SUPPLEMENTARY SERIES
(Millions of dollars)

Industry	Seasonally adjusted						Not seasonally adjusted[1]				
	Monthly			Percent Change			Monthly				Percent change
	May 1990p	Apr. 1990r	Mar. 1990	Apr.-Mayp	Mar.-Apr.r	Feb.-Mar.	May 1990p	Apr. 1990r	Mar. 1990	May 1989	May90/89p
All manufacturing industries	372,422	372,300	371,746	0.0	+0.1	-0.4	375,779	374,561	372,287	368,621	+1.9
Manufacturing industries with unfilled orders	259,569	259,681	258,753	0.0	+0.4	-0.6	262,894	261,474	258,846	257,667	+2.0
Durable goods industries	246,540	246,609	245,435	0.0	+0.5	-0.7	249,368	248,294	246,081	244,712	+1.9
With unfilled orders	227,975	228,095	227,150	-0.1	+0.4	-0.7	230,740	229,509	227,155	226,273	+2.0
Stone, clay, and glass products	7,712	7,751	7,727	-0.5	+0.3	-0.4	7,970	7,942	7,874	8,020	-.6
Primary metals	20,281	20,330	20,240	-0.2	+0.4	-1.6	20,516	20,422	20,146	21,414	-4.2
Blast furnaces, steel mills	10,365	10,477	10,482	-1.1	0.0	-1.8	10,386	10,352	10,228	10,557	-1.6
Iron and steel foundries	1,317	1,306	1,266	+0.8	+3.2	-3.1	1,359	1,369	1,334	1,374	-1.1
Nonferrous and other primary metals	8,599	8,547	8,492	+0.6	+0.6	-1.0	8,771	8,701	8,584	9,483	-7.5
Fabricated metal products	23,521	23,657	23,681	-0.6	-0.1	-1.1	23,841	23,980	23,901	24,233	-1.6
Machinery, except electrical	47,984	47,943	47,714	+0.1	+0.5	-1.2	48,503	48,298	47,845	48,399	+.2
Engines and turbines	3,074	3,048	3,042	+0.9	+0.2	+1.7	3,097	3,044	2,979	3,136	-1.2
Construction, mining and material handling equipment	7,604	7,605	7,570	0.0	+0.5	-0.5	7,665	7,689	7,631	7,730	-.8
Metalworking machinery	3,181	3,217	3,156	-1.1	+1.9	+0.1	3,216	3,194	3,113	3,274	-1.8
Office and computing machines	12,723	12,629	12,345	+0.7	+2.3	-2.1	12,850	12,669	12,188	12,319	+4.3
Electrical machinery	40,259	40,414	40,471	-0.4	-0.1	-0.9	40,910	40,762	40,393	42,242	-3.2
Electrical transmission and distribution equipment and industrial apparatus	5,012	5,077	5,123	-1.3	-0.9	-0.8	5,112	5,181	5,158	5,159	-.9
Household appliances	2,944	2,934	2,929	+0.3	+0.2	+0.1	3,165	3,120	3,046	3,153	+.4
Radio and TV	1,791	1,792	1,842	-0.1	-2.7	-2.9	1,870	1,826	1,763	1,778	+5.2
Communication equipment	15,298	15,455	15,517	-1.0	-0.4	-2.3	15,379	15,418	15,368	16,769	-8.3
Electronic components	8,874	8,790	8,727	+1.0	+0.7	+1.5	8,892	8,775	8,721	8,868	+.3
Other electrical machinery	6,340	6,366	6,333	-0.4	+0.5	-0.6	6,492	6,442	6,337	6,515	-.4
Transportation equipment	74,080	73,709	72,869	+0.5	+1.2	-0.3	74,551	73,800	72,994	67,959	+9.7
Motor vehicles and parts	12,013	11,880	11,625	+1.1	+2.2	-1.9	11,864	11,862	11,787	12,131	-2.2
Aircraft, missiles, and parts.	57,192	57,032	56,507	+0.3	+0.9	+0.1	57,778	57,143	56,472	51,318	+12.6
Shipbuilding and military tank vehicles	2,657	2,599	2,567	+2.2	+1.2	+0.3	2,686	2,631	2,538	2,278	+17.9
Instruments and related products	13,909	13,999	14,067	-0.6	-0.5	-0.2	14,154	14,107	14,039	14,352	-1.4
Scientific and engineering instruments	10,272	10,353	10,386	-0.8	-0.3	-0.1	10,416	10,398	10,419	10,438	-.2
All other durable goods	18,794	18,806	18,666	-0.1	+0.8	+0.8	18,923	18,983	18,889	18,093	+4.6
Nondurable goods industries	125,882	125,691	126,311	+0.2	-0.5	+0.2	126,411	126,267	126,206	123,909	+2.0
With unfilled orders	31,594	31,586	31,603	0.0	-0.1	+0.3	32,154	31,965	31,691	31,394	+2.4
Food and kindred products	26,842	26,683	26,677	+0.6	0.0	+0.8	25,871	26,053	26,102	25,235	+2.5
Dairy products	2,694	2,652	2,609	+1.6	+1.6	+3.7	2,772	2,693	2,605	2,527	+9.7
Beverages	4,233	4,266	4,312	-0.8	-1.1	-0.4	4,280	4,347	4,364	4,427	-3.3
All other foods	15,628	15,557	15,634	+0.5	-0.5	+0.3	14,487	14,609	14,880	13,874	+4.4
Tobacco products	5,633	5,727	5,748	-1.6	-0.4	-1.5	5,503	5,808	5,871	5,339	+3.1
Textile mill products	8,430	8,420	8,387	+0.1	+0.4	0.0	8,689	8,614	8,444	8,053	+7.9
Broadwoven fabrics	4,714	4,721	4,715	-0.1	+0.1	-0.5	4,822	4,821	4,756	4,594	+5.0
Paper and allied products	12,701	12,651	12,649	+0.4	0.0	-0.4	12,870	12,841	12,777	12,292	+4.7
Pulp, paper etc.	5,037	5,000	4,954	+0.7	+0.9	-0.5	5,107	5,090	5,049	4,746	+7.6
Paperboard containers	3,192	3,239	3,236	-1.5	+0.1	-0.3	3,233	3,300	3,277	3,108	+4.0
All other paper products	4,472	4,412	4,459	+1.4	-1.1	-0.3	4,530	4,451	4,451	4,438	+2.1
Chemicals and allied products	29,000	28,890	28,735	+0.4	+0.5	+0.8	29,139	29,188	29,048	29,146	.0
Industrial chemicals, except pigments	7,439	7,563	7,575	-1.6	-0.2	-1.5	7,446	7,620	7,620	8,117	-8.3
Drugs, soaps, and toiletries	9,972	9,893	9,783	+0.8	+1.1	+0.3	10,142	9,983	9,727	9,768	+3.8
Other chemical products	7,215	7,195	7,116	+0.3	+1.1	+2.3	7,237	7,284	7,187	7,267	-.4
Petroleum and coal products	10,832	10,943	11,389	-1.0	-3.9	+0.7	10,998	10,929	11,154	10,496	+4.8
Rubber and plastics products	10,259	10,208	10,199	+0.5	+0.1	-1.3	10,445	10,417	10,496	10,789	-3.2
All other nondurable goods	22,185	22,169	22,527	+0.1	-1.6	-0.1	22,896	22,417	22,314	22,559	+1.5
Market categories:											
Home goods and apparel	27,689	27,648	27,973	+0.1	-1.2	-0.1	28,806	28,189	27,853	27,582	+4.4
Consumer staples	46,475	46,399	46,315	+0.2	+0.2	+0.2	45,643	45,982	45,882	44,210	+3.2
Equipment and defense prod. except automotive	114,427	114,156	113,507	+0.2	+0.6	-0.4	115,599	114,739	113,738	110,666	+4.5
Automotive equipment	15,086	14,976	14,677	+0.7	+2.0	-1.4	14,990	14,972	14,943	15,203	-1.4
Construction materials, supplies and intermediate products	25,708	25,779	25,777	-0.3	0.0	+0.3	26,176	26,242	26,202	26,023	+.6
Other materials, supplies, and intermediate products	143,037	143,342	143,497	-0.2	-0.1	-0.6	144,565	144,437	143,669	144,937	-.3
Supplementary series:[2]											
Capital goods industries	132,292	132,263	131,599	0.0	+0.5	-0.7	133,817	132,915	131,418	128,022	+4.5
Nondefense	93,487	93,426	93,041	+0.1	+0.4	-0.7	94,602	94,043	92,826	90,733	+4.3
Excluding aircraft and parts	65,404	65,541	65,382	-0.2	+0.2	-1.5	66,317	66,090	65,349	66,828	-.8
Defense	38,805	38,837	38,558	-0.1	+0.7	-0.7	39,215	38,872	38,592	37,289	+5.2
Household durable goods industries	13,594	13,589	13,604	0.0	-0.1	+0.3	14,041	13,844	13,617	13,613	+3.1

See footnotes at end of table 2.

Table 5. VALUE OF MANUFACTURERS' INVENTORIES, BY STAGE OF FABRICATION, BY INDUSTRY GROUP
(Millions of dollars)

Industry	Seasonally adjusted						Not seasonally adjusted				
	Monthly			Percent Change			Monthly				Percent change
	May 1990[p]	Apr. 1990[r]	Mar. 1990	Apr.-May[p]	Mar.-Apr.[r]	Feb.-Mar.	May 1990[p]	Apr. 1990[r]	Mar. 1990	May 1989	May90/89[p]
MATERIALS AND SUPPLIES											
All manufacturing industries	113,242	113,565	113,807	-0.3	-0.2	-0.3	112,916	113,668	113,804	113,380	-.4
Durable goods industries	66,407	66,689	66,744	-0.4	-0.1	-1.0	66,087	66,484	66,432	66,578	-.7
Stone, clay, and glass products	2,548	2,541	2,536	+0.3	+0.2	-1.2	2,578	2,554	2,535	2,557	+.8
Primary metals	6,396	6,362	6,343	+0.5	+0.3	-1.2	6,228	6,160	6,114	6,329	-1.6
Fabricated metal products	8,333	8,400	8,478	-0.8	-0.9	-1.4	8,309	8,390	8,469	8,742	-5.0
Machinery, except electrical	12,325	12,349	12,437	-0.2	-0.7	-1.9	12,288	12,344	12,363	13,071	-6.0
Electrical machinery	10,779	11,104	11,155	-2.9	-0.5	-1.1	10,809	11,188	11,182	11,214	-3.6
Transportation equipment	13,613	13,481	13,331	+1.0	+1.1	-1.1	13,593	13,530	13,385	13,094	+3.8
Instruments and related products	5,008	5,038	5,103	-0.6	-1.3	+0.4	5,040	5,047	5,083	4,739	+6.4
Lumber, furniture and miscellaneous durable goods	7,405	7,414	7,361	-0.1	+0.7	+0.9	7,242	7,271	7,301	6,832	+6.0
Nondurable goods industries	46,835	46,876	47,063	-0.1	-0.4	+0.7	46,829	47,184	47,372	46,802	+.1
Food and kindred products	8,794	8,733	8,756	+0.7	-0.3	+0.5	8,740	8,799	8,789	8,684	+.6
Tobacco products	4,302	4,374	4,350	-1.6	+0.6	+0.6	4,241	4,391	4,478	4,064	+4.4
Textile mill products	2,417	2,482	2,435	-2.6	+1.9	-0.4	2,507	2,567	2,448	2,417	+3.7
Paper and allied products	6,928	6,857	6,793	+1.0	+0.9	-0.5	6,911	6,881	6,840	6,520	+6.0
Chemicals and allied products	10,105	10,032	10,048	+0.7	-0.2	+0.2	10,107	10,048	10,083	10,141	-.3
Petroleum and coal products	2,666	2,748	2,848	-3.0	-3.5	+9.2	2,702	2,821	2,861	2,405	+12.3
Rubber and plastics products	3,815	3,824	3,836	-0.2	-0.3	-0.5	3,807	3,811	3,861	4,106	-7.3
Apparel, printing and publishing and leather goods	7,808	7,826	7,997	-0.2	-2.1	+0.6	7,814	7,866	8,012	8,465	-7.7
WORK IN PROCESS											
All manufacturing industries	138,791	138,570	137,801	+0.2	+0.6	-0.6	140,280	139,267	138,070	135,798	+3.3
Durable goods industries	117,825	117,810	116,921	0.0	+0.8	-0.7	119,193	118,400	117,139	114,291	+4.3
Stone, clay, and glass products	1,038	1,024	1,025	+1.4	-0.1	-1.6	1,069	1,059	1,063	1,168	-8.5
Primary metals	7,980	8,078	8,089	-1.2	-0.1	-2.5	8,137	8,224	8,195	9,061	-10.2
Fabricated metal products	8,214	8,251	8,187	-0.4	+0.8	-0.9	8,370	8,439	8,284	8,460	-1.1
Machinery, except electrical	20,070	20,103	19,935	-0.2	+0.8	-1.5	20,409	20,237	20,016	19,922	+2.4
Electrical machinery	19,171	19,063	18,993	+0.6	+0.4	-0.6	19,341	19,055	18,811	20,581	-6.0
Transportation equipment	52,455	52,379	51,830	+0.1	+1.1	0.0	52,798	52,361	51,831	46,916	+12.5
Instruments and related products	5,038	5,081	5,085	-0.8	-0.1	-1.2	5,172	5,135	5,096	5,485	-5.7
Lumber, furniture and miscellaneous durable goods	3,859	3,831	3,777	+0.7	+1.4	+0.2	3,897	3,890	3,843	3,777	+3.2
Nondurable goods industries	20,966	20,760	20,880	+1.0	-0.6	-0.1	21,087	20,867	20,931	20,428	+3.2
Food and kindred products	2,786	2,761	2,758	+0.9	+0.1	+0.5	2,696	2,754	2,790	2,581	+4.5
Tobacco products	255	251	243	+1.6	+3.3	-0.4	215	210	213	224	-4.0
Textile mill products	2,596	2,544	2,591	+2.0	-1.8	+1.8	2,625	2,560	2,631	2,424	+8.3
Paper and allied products	1,344	1,364	1,386	-1.5	-1.6	+0.4	1,347	1,377	1,378	1,369	-1.6
Chemicals and allied products	4,868	4,895	4,789	-0.6	+2.2	+0.3	4,947	4,932	4,782	4,649	+6.4
Petroleum and coal products	3,058	2,887	3,166	+5.9	-8.8	-0.6	3,133	2,877	3,092	2,965	+5.7
Rubber and plastics products	1,390	1,371	1,363	+1.4	+0.6	-1.7	1,379	1,350	1,372	1,470	-6.2
Apparel, printing and publishing and leather goods	4,669	4,687	4,584	-0.4	+2.2	-1.2	4,745	4,807	4,673	4,746	.0
FINISHED GOODS											
All manufacturing industries	120,389	120,165	120,138	+0.2	0.0	-0.2	122,583	121,626	120,413	119,443	+2.6
Durable goods industries	62,308	62,110	61,770	+0.3	+0.6	-0.4	64,088	63,410	62,510	62,764	+2.1
Stone, clay, and glass products	4,126	4,186	4,166	-1.4	+0.5	+0.4	4,323	4,329	4,276	4,295	+.7
Primary metals	5,905	5,890	5,808	+0.3	+1.4	-0.6	6,151	6,038	5,837	6,024	+2.1
Fabricated metal products	6,974	7,006	7,016	-0.5	-0.1	-0.8	7,162	7,151	7,148	7,031	+1.9
Machinery, except electrical	15,589	15,491	15,342	+0.6	+1.0	-0.1	15,806	15,717	15,466	15,406	+2.6
Electrical machinery	10,309	10,247	10,323	+0.6	-0.7	-1.1	10,760	10,519	10,400	10,447	+3.0
Transportation equipment	8,012	7,849	7,708	+2.1	+1.8	-1.4	8,160	7,909	7,778	7,949	+2.7
Instruments and related products	3,863	3,880	3,879	-0.4	0.0	+0.4	3,942	3,925	3,860	4,128	-4.5
Lumber, furniture and miscellaneous durable goods	7,530	7,561	7,528	-0.4	+0.4	+1.0	7,784	7,822	7,745	7,484	+4.0
Nondurable goods industries	58,081	58,055	58,368	0.0	-0.5	-0.1	58,495	58,216	57,903	56,679	+3.2
Food and kindred products	15,262	15,189	15,163	+0.5	+0.2	+1.0	14,435	14,500	14,523	13,970	+3.3
Tobacco products	1,076	1,102	1,155	-2.4	-4.6	-8.8	1,047	1,207	1,180	1,051	-.4
Textile mill products	3,417	3,394	3,361	+0.7	+1.0	-0.9	3,557	3,487	3,365	3,212	+10.7
Paper and allied products	4,429	4,430	4,470	0.0	-0.9	-0.5	4,612	4,583	4,559	4,403	+4.7
Chemicals and allied products	14,027	13,963	13,898	+0.5	+0.5	+1.5	14,085	14,208	14,183	14,356	-1.9
Petroleum and coal products	5,108	5,308	5,375	-3.8	-1.2	-2.6	5,163	5,231	5,201	5,126	+.7
Rubber and plastics products	5,054	5,013	5,000	+0.8	+0.3	-1.9	5,259	5,256	5,263	5,213	+.9
Apparel, printing and publishing and leather goods	9,708	9,656	9,946	+0.5	-2.9	0.0	10,337	9,744	9,629	9,348	+10.6

[p]Preliminary. [r]Revised.

Table 6. RATIO OF MANUFACTURES' INVENTORIES TO SHIPMENTS AND UNFILLED ORDERS TO SHIPMENTS, BY INDUSTRY GROUP
(Based on seasonally adjusted data)

Industry	Inventory / Shipments ratio				Unfilled Orders / Shipments ratio[1]			
	May 1990[p]	Apr. 1990[r]	Mar. 1990	Feb. 1990	May 1990[p]	Apr. 1990[r]	Mar. 1990	Feb. 1990
All manufacturing industries	1.56	1.59	1.57	1.59	3.90	3.96	3.90	3.90
Durable goods industries	1.95	2.02	1.96	2.01	4.76	4.87	4.77	4.77
Stone, clay, and glass products	1.42	1.45	1.43	1.42	1.02	1.04	1.00	1.01
Primary metals	1.76	1.80	1.78	1.84	2.03	2.04	2.00	2.00
Fabricated metal products	1.62	1.72	1.67	1.73	1.91	2.04	1.99	2.04
Machinery, except electrical	2.16	2.17	2.07	2.15	2.90	2.91	2.81	2.92
Electrical machinery	1.95	2.00	2.00	1.98	4.49	4.59	4.57	4.52
Transportation equipment	2.23	2.39	2.27	2.37	12.92	13.44	13.26	13.09
Instruments and related products	2.09	2.14	2.14	2.16	2.19	2.24	2.25	2.26
Nondurable goods industries	1.12	1.12	1.13	1.13	0.70	0.70	0.70	0.70
Food and kindred products	0.79	0.80	0.79	0.80	(X)	(X)	(X)	(X)
Tobacco products	2.51	2.37	2.87	2.89	(X)	(X)	(X)	(X)
Textile mill products	1.64	1.65	1.62	1.61	(NA)	(NA)	(NA)	(NA)
Paper and allied products	1.15	1.17	1.15	1.18	(NA)	(NA)	(NA)	(NA)
Chemicals and allied products	1.33	1.32	1.33	1.34	(X)	(X)	(X)	(X)
Petroleum and coal products	0.91	0.89	0.91	0.89	(X)	(X)	(X)	(X)
Rubber and plastics products	1.37	1.37	1.33	1.36	(X)	(X)	(X)	(X)

[p]Preliminary. [r] Revised. (X) Not applicable. (NA) Not available.

[1]Excludes the following industries with no unfilled orders: Wood and lumber products; glass containers; metal cans, barrels and drums; farm machinery and equipment; motor vehicle assembly operations; other transportation equipment; foods and related products; tobacco; apparel and related products; building paper; die-cut paper and board; chemicals; petroleum and coal products; and rubber and plastics products.

Table 7. AVERAGE REVISIONS TO PREVIOUSLY PUBLISHED MONTHLY PERCENT CHANGES
(Based on seasonally adjusted data)

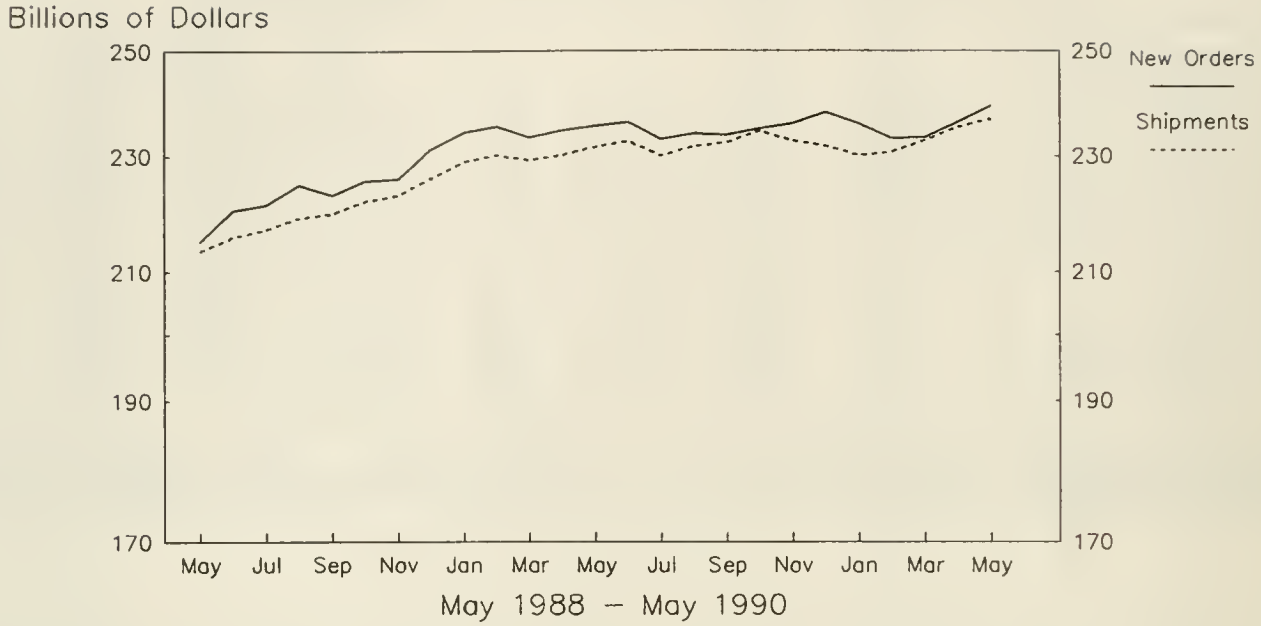
Industry	Shipments			New orders			Unfilled orders			Inventories		
	May 1989	May[1] 1985-1989	May 1989-Apr. 1990	May 1989	May[1] 1985-1989	May 1989-Apr. 1990	May 1989	May[1] 1985-1989	May 1989-Apr. 1990	May 1989	May[1] 1985-1989	May 1989-Apr. 1990
All manufacturing industries	0.2	0.2	0.2	0.1	0.2	0.3	0.0	0.1	0.1	0.2	0.1	0.1
Durable goods industries	0.0	0.1	0.1	0.0	0.2	0.5	0.0	0.1	0.1	0.1	0.1	0.1
Stone, clay, and glass products	0.4	0.7	0.6	0.0	0.5	0.7	0.4	1.2	0.5	0.1	0.1	0.2
Primary metals	0.5	0.4	0.4	1.7	0.8	0.6	0.6	0.4	0.3	0.1	0.2	0.1
Fabricated metal products	0.1	0.6	0.4	0.2	0.6	0.7	0.1	0.2	0.3	0.1	0.2	0.1
Machinery, except electrical	0.9	0.4	0.7	1.7	0.7	0.7	0.3	0.2	0.2	0.1	0.1	0.1
Electrical machinery	0.1	0.2	0.3	0.0	0.5	0.4	0.1	0.1	0.1	0.1	0.1	0.2
Transportation equipment	0.2	0.2	0.3	0.7	0.6	1.6	0.2	0.1	0.2	0.1	0.1	0.1
Instruments and related products	0.5	0.4	0.6	0.6	0.6	0.7	0.0	0.3	0.1	0.2	0.1	0.3
Nondurable goods industries	0.3	0.2	0.3	0.4	0.2	0.3	0.2	0.3	0.5	0.0	0.1	0.1
Food and kindred products	0.3	0.5	0.3	(X)	(X)	(X)	(X)	(X)	(X)	0.1	0.2	0.2
Tobacco products	0.0	0.5	0.4	(X)	(X)	(X)	(X)	(X)	(X)	0.0	0.1	0.1
Textile mill products	2.7	1.2	1.1	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	0.0	0.6	0.3
Paper and allied products	0.2	0.3	0.3	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	0.1	0.2	0.2
Chemicals and allied products	0.5	0.4	0.3	(X)	(X)	(X)	(X)	(X)	(X)	0.3	0.2	0.1
Petroleum and coal products	0.3	0.7	0.3	(X)	(X)	(X)	(X)	(X)	(X)	0.5	0.4	0.2
Rubber and plastics products	1.0	0.8	1.0	(X)	(X)	(X)	(X)	(X)	(X)	1.0	0.4	0.3
Capital goods industries:												
Nondefense	0.4	0.2	0.5	1.5	0.6	1.1	0.3	0.1	0.3	0.0	0.0	0.1
Defense	0.1	0.7	0.4	0.3	1.6	3.3	0.0	0.1	0.2	0.0	0.0	0.0

(X) Not applicable. (NA) Not available.

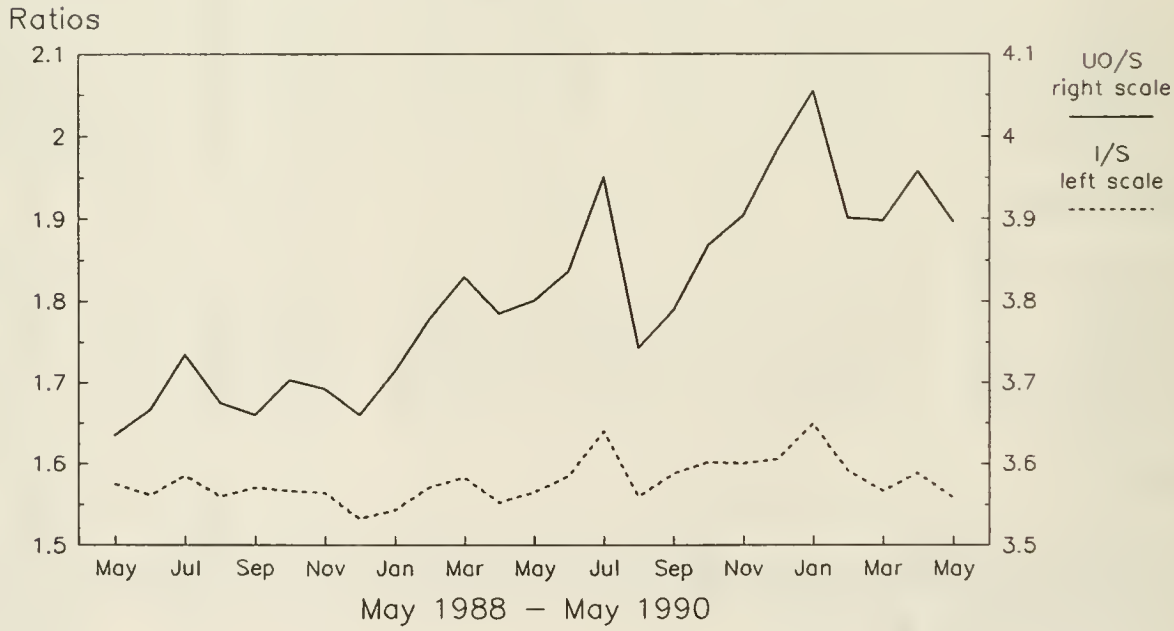
Note: The revisions are the differences between the month-to-month percent changes of the preliminary and final estimates. The monthly averages are the simple averages of the differences, without regard to sign, for the months specified. The advance to final percent change revisions for the durable goods industries are shown in the advance report for the month.

[1]Average for this month for the last five years.

Total Manufacturing
New Orders and Shipments
Three Month Moving Averages

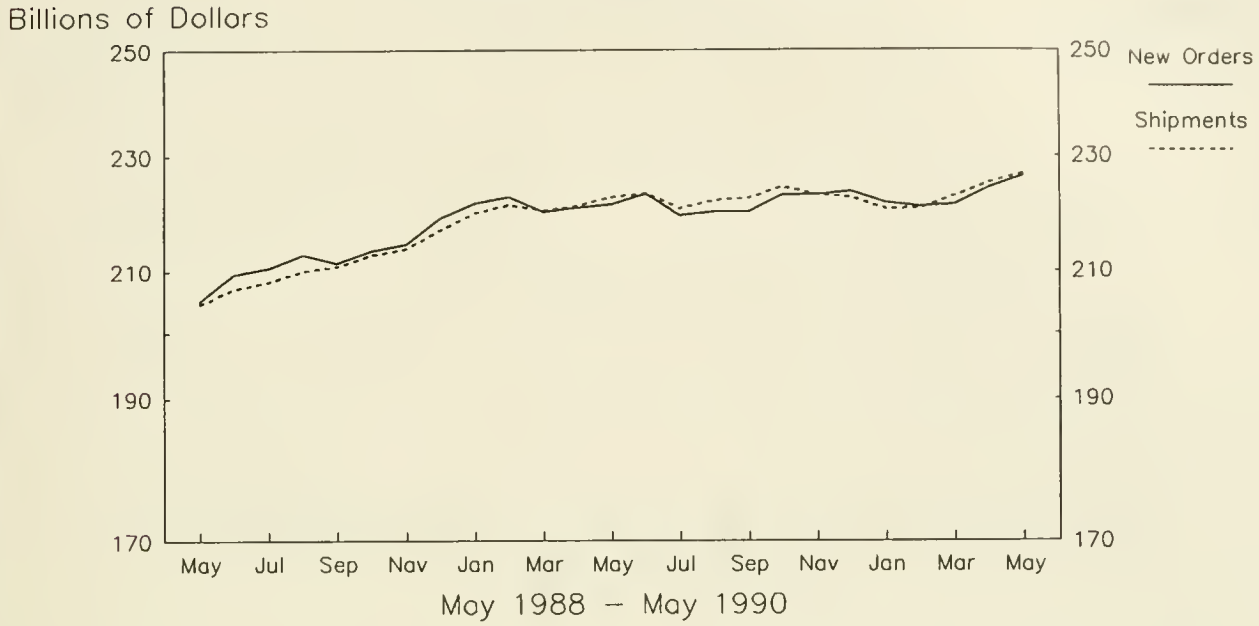


Total Manufacturing
Ratios of Unfilled Orders and
Inventories to Shipments

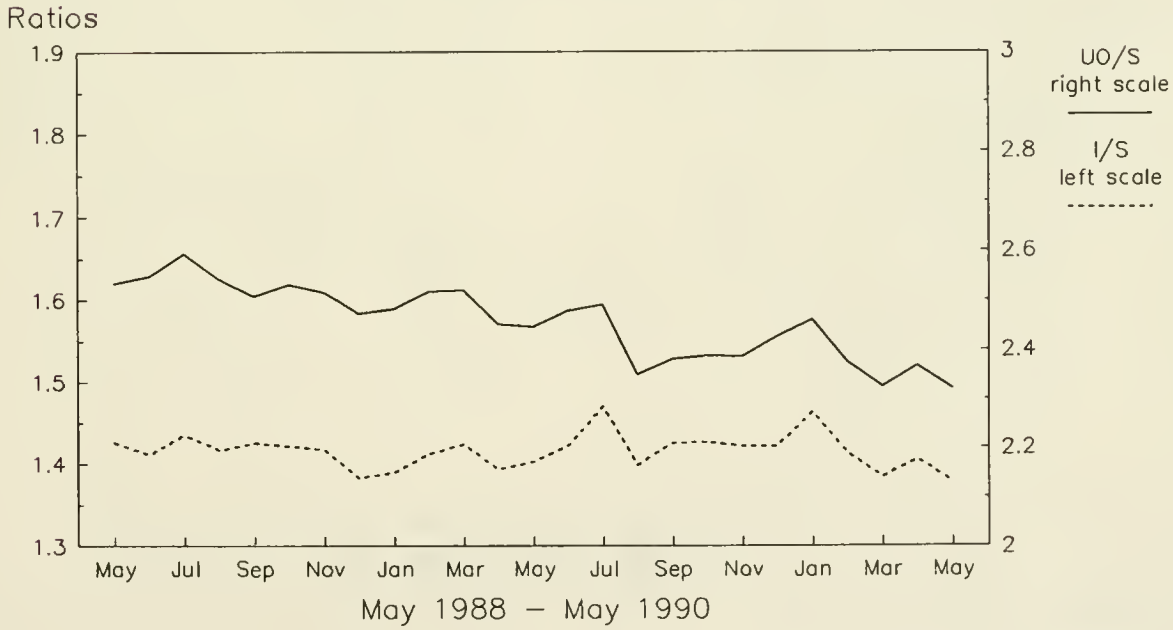


Note: All Charts based on seasonally adjusted current dollars.

Total Manufacturing Excluding Aircraft
New Orders and Shipments
Three Month Moving Averages

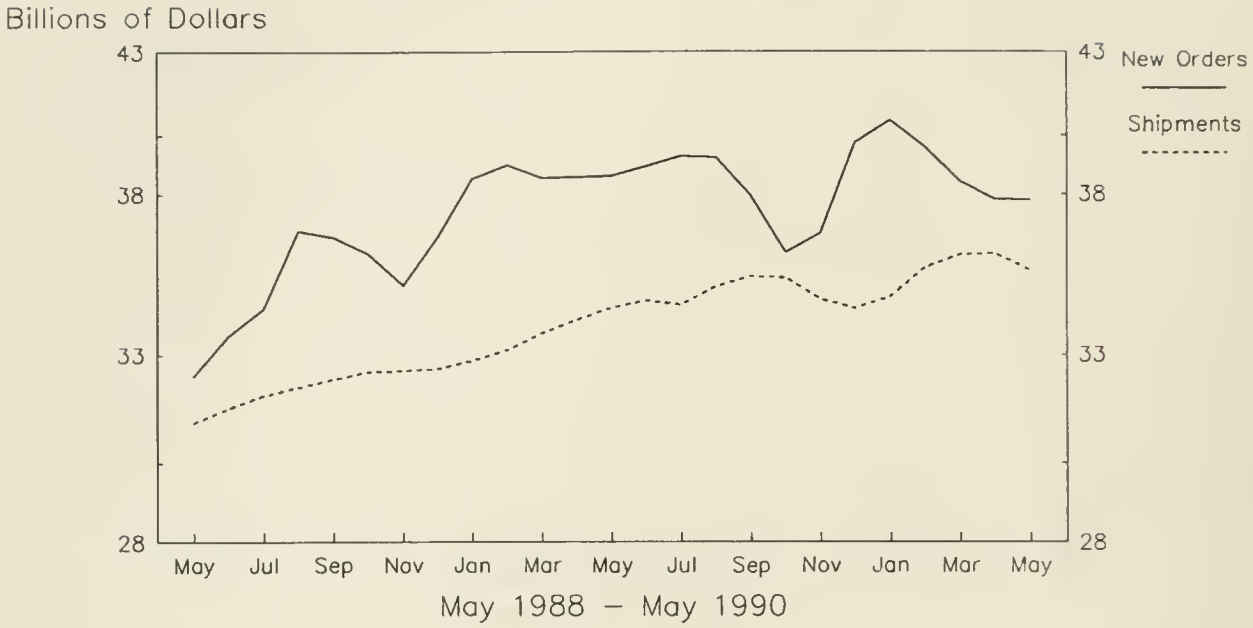


Total Manufacturing Excluding Aircraft
Ratios of Unfilled Orders and
Inventories to Shipments

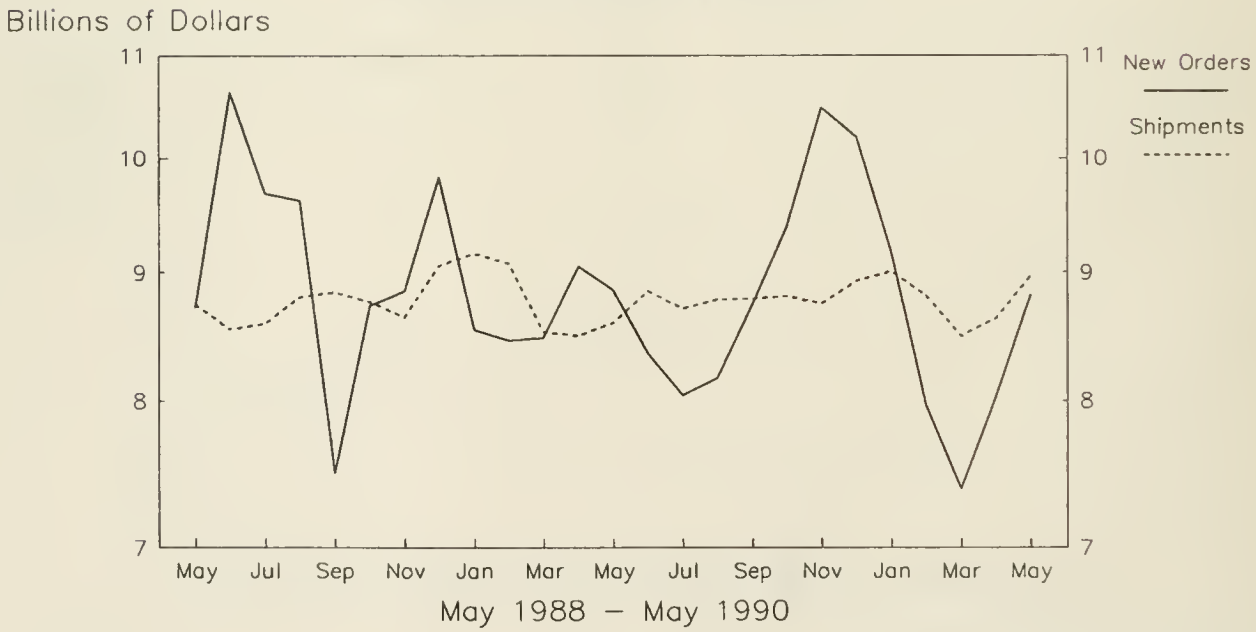


Note: All Charts based on seasonally adjusted current dollars.

Nondefense Capital Goods
New Orders and Shipments
Three Month Moving Averages



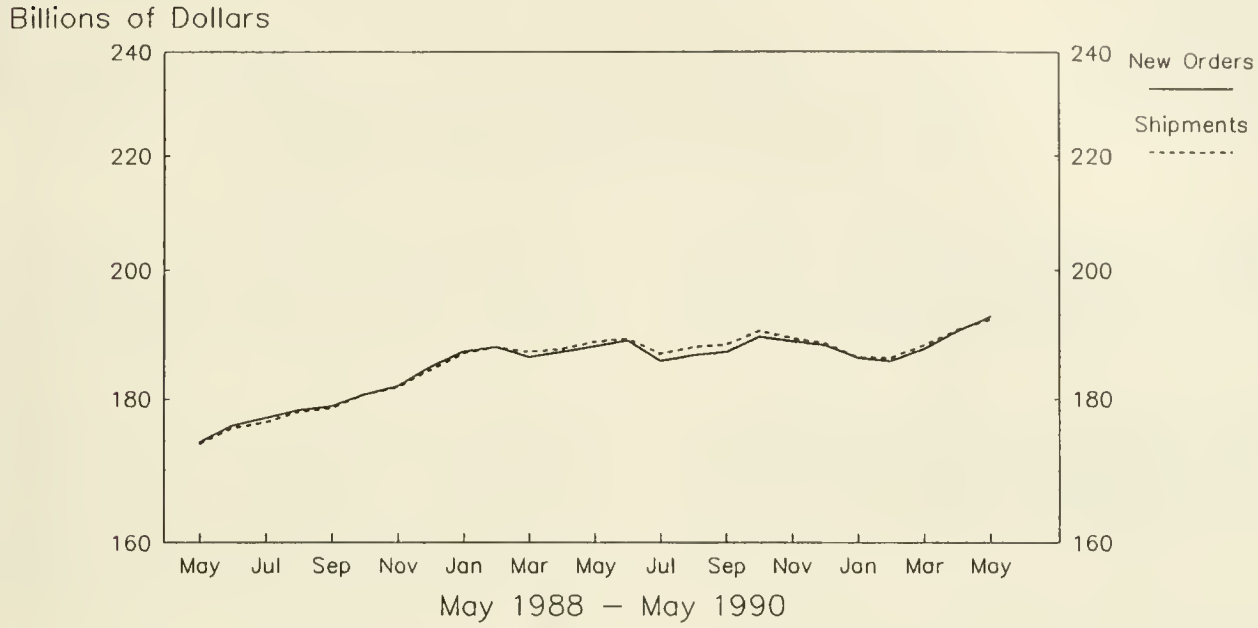
Defense Capital Goods
New Orders and Shipments
Three Month Moving Averages



Note: All Charts based on seasonally adjusted current dollars.

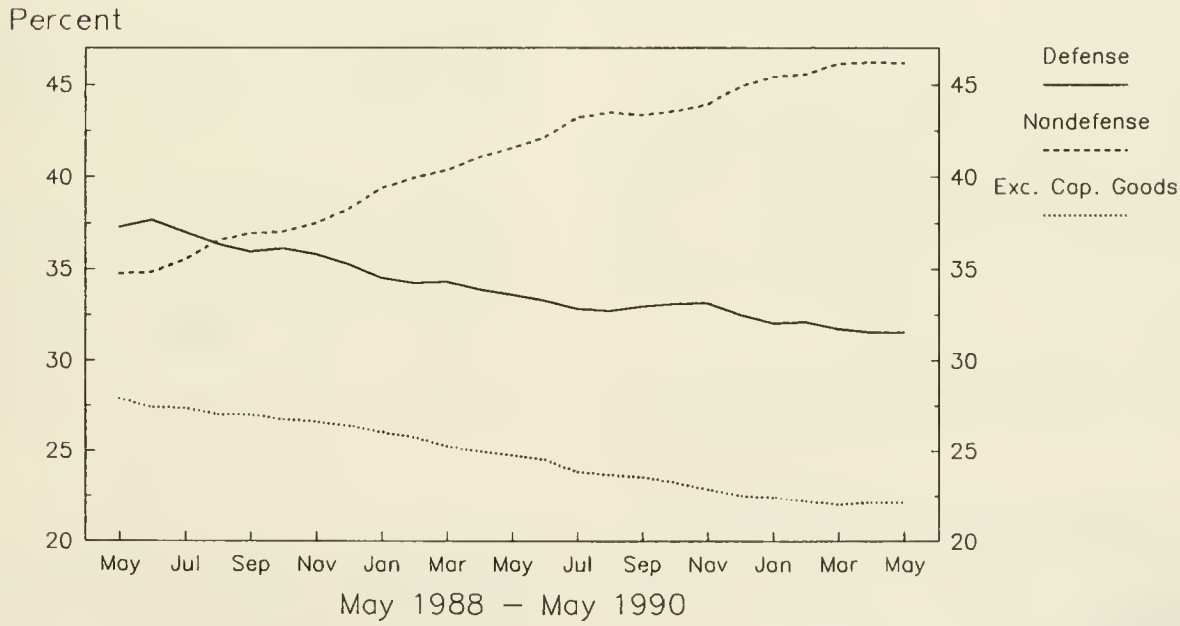
Manufacturing Excluding Capital Goods

New Orders and Shipments
Three Month Moving Averages



Defense and Nondefense Capital Goods and Manufacturing Excluding Capital Goods

Percent of Total Manufacturing Unfilled Orders



Note: All charts based on seasonally adjusted current dollars.

U.S. Department of Commerce
BUREAU OF THE CENSUS
Washington, D.C. 20233

Official Business
Penalty for Private Use, $300

U.S.MAIL

POSTAGE AND FEES PAID
U.S. DEPARTMENT OF COMMERCE
COM-202

First Class Mai

C 3.158:M 3-1-(90)-6
Current Industrial Reports,...

Manufacturers' Shipments, Inventories, and Orders

SEP 6 1990

June 1990
M3-1-(90)-6
For Wire Transmissions 10:00 a.m. E.D.T. Thursday August 2, 1990

U. S. Department of Commerce
BUREAU OF THE CENSUS

(All figures in text are in seasonally adjusted current dollars)

Summary

New orders for manufactured goods in June were down $3.7 billion or 1.5 percent to $237.4 billion, following a 2.2 percent increase in May. The June decline was concentrated in the durables sector which decreased 2.8 percent. Nondurables were about unchanged.

Shipments of manufactured goods in June increased $1.3 billion or 0.5 percent to $240.1 billion, following a 2.0 percent gain in May. Shipments in June exceeded incoming orders resulting in a decline in unfilled orders of $2.7 billion or 0.5 percent to $517.7 billion. This is the second decline in the order backlog this year and only the third since an upward trend began in March 1987.

Inventories in June declined $1.9 billion or 0.5 percent to $370.5 billion. This is the third decrease this year following the high in January of $374.1 billion. The inventory to shipments ratio in June was 1.54, the lowest since 1.54 in January 1989.

New Orders

Over half of the decline of $3.7 billion or 2.8 percent in durables in June was in defense capital goods, which though volatile have been declining recently. New orders for defense capital goods for the first half of this year totaled $48.7 billion, 3.5 percent below the first half of 1989.

Within the major industries the largest decrease in June was in transportation equipment, down $1.7 billion or 4.9 percent to $33.8 billion; defense aircraft and parts accounted for most of the decline. Primary metals, electrical machinery and instruments and related products all declined between 3 and 4 percent. Nonelectrical machinery was down 2.5 percent.

New orders for nondurable goods were unchanged at $112.3 billion.

Shipments

Shipments of durable goods in June were up $1.0 billion or 0.8 percent to $127.5 billion. A large increase in transportation equipment was partially offset by small declines in virtually all other categories. Transportation was up $1.6 billion or 4.6 percent to $35.0 billion; motor vehicle and parts increased $0.5 billion or 2.2 percent and aircraft and parts $0.9 billion or 9.1 percent.

Shipments of nondurables were up $0.2 billion or 0.2 percent to $112.6 billion. The pattern of change in the specific categories was mixed; the largest increase was in chemicals up $0.4 billion or 1.6 percent, and the largest decrease in tobacco, down $0.3 billion or 13.1 percent.

Unfilled Orders

Unfilled orders for durables in June decreased $2.5 billion or 0.5 percent to $498.1 billion. Nearly all industries declined. Transportation equipment was down $1.2 billion or 0.4 percent to $270.8 billion. Electrical machinery was down $0.7 billion or 0.7 percent to $92.1 billion, mainly in electronic components. Nonelectrical machinery was down $0.3 billion or 0.4 percent to $60.2 billion. Primary metals increased $0.1 billion or 0.6 percent to $23.6 billion.

Inventories

Inventories of manufacturers of durable goods decreased $1.7 billion or 0.7 percent to $244.9 billion. Transportation equipment accounted for nearly half the decline, down $0.8 billion or 1.1 percent to $73.2 billion; both motor vehicles and aircraft and parts were down. Most of the other major industries also had decreases. Nondurable inventories were down $0.2 billion or 0.2 percent to $125.7 billion.

By stage of fabrication, materials and supplies decreased 0.5 percent and work in process 1.0 percent. Finished goods were about unchanged.

Scheduled Release Dates

The advance report on durable goods for July is scheduled for August 23, 1990 at 8:30 a.m. and the full report on August 30, 1990 at 10:00 a.m.

Address inquiries concerning these figures to U.S. Department of Commerce, Bureau of the Census, Industry Division, Washington, DC 20233 or call Ruth Runyan or Kathleen Menth, (301) 763-2502 or (301) 763-2512.
For sale by the Superintendent of Documents, U.S. Government Printing Office, Washington, DC 20402. This report is also available the day of issue through the Department of Commerce's online Economic Bulletin Board (N-8-1) (202-377-3870) and through the Census Bureau's online information service-CENDATA. CENDATA is available from Dialog Information Services, INC. (1-800-334-2464) and CompuServe (1-800-848-8199). The CENDATA staff at the Bureau of the Census (301-763-2074) can provide content information and general guidance.

Table 1. VALUE OF MANUFACTURERS' SHIPMENTS FOR INDUSTRY GROUPS, MARKET CATEGORIES AND SUPPLEMENTARY SERIES
(Millions of dollars)

Industry	Seasonally adjusted						Not seasonally adjusted[1]						
	Monthly			Percent Change			Monthly				Percent change	Year to date	
	June 1990p	May 1990r	Apr. 1990	May-June p	Apr.-May r	Mar.-Apr.	June 1990p	May 1990r	Apr. 1990	June 1989	June90/89p	1990p	1989
All manufacturing industries	240,113	238,863	234,259	+0.5	+2.0	-1.3	255,336	240,432	234,628	245,779	+3.9	1,421,105	1,394,626
Manufacturing industries with unfilled orders	134,644	133,477	130,892	+0.9	+2.0	-1.2	143,712	133,074	129,770	137,090	+4.8	792,230	766,537
Durable goods industries	127,549	126,507	122,031	+0.8	+3.7	-2.4	137,920	128,441	123,058	131,766	+4.7	751,225	742,674
With unfilled orders	106,355	105,201	102,371	+1.1	+2.8	-1.7	114,875	105,330	101,435	109,350	+5.1	624,670	605,136
Stone, clay, and glass products	5,449	5,460	5,352	-0.2	+2.0	-0.6	5,892	5,626	5,532	5,915	-0.4	32,482	32,314
Primary metals	11,388	11,475	11,303	-0.8	+1.5	-0.8	12,048	11,727	11,615	12,955	-7.0	69,676	76,593
Blast furnaces, steel mills	4,632	4,693	4,542	-1.3	+3.3	-2.7	4,938	4,886	4,742	5,208	-5.2	28,586	31,469
Iron and steel foundries	854	831	828	+2.8	+0.4	+3.5	907	894	863	900	+0.8	4,997	5,401
Nonferrous and other primary metals	5,902	5,951	5,933	-0.8	+0.3	+0.1	6,203	5,947	6,010	6,847	-9.4	36,093	39,723
Fabricated metal products	14,280	14,547	13,794	-1.8	+5.5	-2.5	15,338	15,114	14,063	14,369	+6.7	85,906	80,713
Machinery, except electrical	21,988	22,084	22,058	-0.4	+0.1	-4.5	25,224	21,845	21,900	25,744	-2.0	135,437	133,884
Engines and turbines	1,360	1,322	1,277	+2.9	+3.5	-4.3	1,433	1,317	1,300	1,465	-2.2	8,102	8,488
Construction, mining and material handling equipment	2,972	3,004	2,939	-1.1	+2.2	-6.0	3,159	3,097	3,087	2,917	+8.3	18,499	16,626
Metalworking machinery	1,082	1,043	1,039	+3.7	+0.4	-3.3	1,181	1,023	935	1,114	+6.0	6,255	6,021
Office and computing machines	6,050	5,826	5,890	+3.8	-1.1	-4.0	7,895	5,144	4,773	7,850	+0.6	34,624	33,513
Electrical machinery	20,639	20,642	20,197	0.0	+2.2	-0.2	22,121	20,150	19,386	21,282	+3.9	121,199	117,692
Electrical transmission and distribution equipment and industrial apparatus	2,628	2,540	2,496	+3.5	+1.8	-2.3	2,837	2,510	2,447	2,657	+6.8	15,421	15,298
Household appliances	1,649	1,637	1,657	+0.7	-1.2	-1.9	1,844	1,647	1,664	1,745	+5.7	10,034	9,784
Radio and TV	1,020	983	934	+3.8	+5.2	-9.8	1,147	812	718	1,169	-1.9	5,499	5,576
Communication equipment	6,632	6,846	6,954	-3.1	-1.6	+6.5	7,259	6,716	6,580	7,133	+1.8	40,154	37,650
Electronic components	5,114	5,082	4,874	+0.6	+4.3	-1.0	5,370	5,023	4,954	5,082	+5.7	30,189	29,099
Other electrical machinery	3,596	3,554	3,282	+1.2	+8.3	-6.5	3,664	3,442	3,023	3,496	+4.8	19,902	20,285
Transportation equipment	34,990	33,438	30,821	+4.6	+8.5	-4.1	37,164	35,057	31,773	31,883	+16.6	194,041	191,749
Motor vehicles and parts	21,604	21,134	18,718	+2.2	+12.9	-6.1	22,848	22,960	20,030	19,246	+18.7	121,150	124,705
Aircraft, missiles, and parts.	11,266	10,327	10,093	+9.1	+2.3	+4.1	12,152	10,093	9,650	10,614	+14.5	60,320	53,988
Shipbuilding and military tank vehicles	1,005	944	932	+6.5	+1.3	-13.6	1,019	923	887	893	+14.1	5,528	5,354
Instruments and related products	6,650	6,668	6,548	-0.3	+1.8	-0.4	7,224	6,667	6,319	6,949	+4.0	39,556	37,924
Scientific and engineering instruments	4,454	4,530	4,417	-1.7	+2.6	+0.2	4,721	4,509	4,282	4,446	+6.2	26,682	25,154
All other durable goods	12,165	12,193	11,958	-0.2	+2.0	-1.2	12,909	12,255	12,470	12,669	+1.9	72,928	71,805
Nondurable goods industries	112,564	112,356	112,228	+0.2	+0.1	0.0	117,416	111,991	111,570	114,013	+3.0	669,880	651,952
With unfilled orders	28,289	28,276	28,521	0.0	-0.9	+0.7	28,837	27,744	28,335	27,740	+4.0	167,560	161,401
Food and kindred products	34,003	33,890	33,331	+0.3	+1.7	-1.2	35,197	34,008	32,678	33,322	+5.6	199,771	191,506
Dairy products	4,844	4,880	4,818	-0.7	+1.3	-1.0	5,096	4,967	4,744	4,526	+12.6	28,893	25,395
Beverages	4,246	4,258	4,042	-0.3	+5.3	-7.4	4,862	4,511	4,305	4,852	+0.2	25,460	25,483
All other foods	15,885	15,998	15,760	-0.7	+1.5	+0.9	16,044	15,564	15,037	15,388	+4.3	93,482	89,604
Tobacco products	1,922	2,213	2,413	-13.1	-8.3	+20.6	2,331	2,476	2,108	2,399	-2.8	12,369	11,583
Textile mill products	5,064	5,160	5,106	-1.9	+1.1	-1.4	5,491	5,129	5,009	5,747	-4.5	30,798	32,005
Broadwoven fabrics	2,853	2,903	2,986	-1.7	-2.8	-0.9	3,070	2,968	2,951	3,441	-10.8	17,921	19,581
Paper and allied products	10,969	11,031	10,801	-0.6	+2.1	-1.7	11,432	10,941	10,798	11,387	+0.4	65,978	66,131
Pulp, paper etc.	4,819	4,724	4,559	+2.0	+3.6	-3.6	4,925	4,680	4,602	4,974	-1.0	28,355	29,673
Paperboard containers	2,571	2,669	2,622	-3.7	+1.8	-2.0	2,705	2,725	2,644	2,810	-3.7	16,139	16,401
All other paper products	3,579	3,638	3,620	-1.6	+0.5	+1.1	3,802	3,536	3,552	3,603	+5.5	21,484	20,057
Chemicals and allied products	22,232	21,872	21,821	+1.6	+0.2	+1.0	23,424	22,002	22,762	22,463	+4.3	133,158	130,911
Industrial chemicals, except pigments	5,665	5,708	5,705	-0.8	+0.1	+0.3	5,943	5,812	5,948	6,138	-3.2	34,938	36,336
Drugs, soaps, and toiletries	7,192	7,316	7,309	-1.7	+0.1	+1.9	7,631	6,731	6,895	7,258	+5.1	42,653	39,520
Other chemical products	6,014	5,869	5,731	+2.5	+2.4	-0.2	6,230	5,982	5,875	5,786	+7.7	35,434	34,970
Petroleum and coal products	11,874	11,969	12,257	-0.8	-2.3	-1.6	12,471	12,101	12,096	12,331	+1.1	72,904	67,175
Rubber and plastics products	7,496	7,418	7,472	+1.1	-0.7	-2.4	8,080	7,630	7,722	8,683	-6.9	46,145	49,912
All other nondurable goods	19,004	18,803	19,027	+1.1	-1.2	+2.3	18,990	17,704	18,397	17,681	+7.4	108,757	102,729
Market categories:													
Home goods and apparel	14,802	14,743	14,108	+0.4	+4.5	-2.8	15,647	13,834	13,321	15,458	+1.2	85,396	86,573
Consumer staples	48,220	48,561	48,323	-0.7	+0.5	+0.5	50,311	48,383	47,027	47,563	+5.8	284,792	268,466
Equipment and defense prod. except automotive	40,671	39,994	39,981	+1.7	0.0	-1.6	45,204	39,416	38,886	43,144	+4.8	241,489	227,331
Automotive equipment	23,688	23,459	21,004	+1.0	+11.7	-5.8	25,089	25,369	22,485	21,652	+15.9	134,937	139,297
Construction materials, supplies and intermediate products	17,777	17,864	17,374	-0.5	+2.8	-0.9	19,259	18,241	18,218	18,848	+2.2	106,128	104,912
Other materials, supplies, and intermediate products	94,955	94,242	93,469	+0.8	+0.8	-0.8	99,826	95,189	94,691	99,114	+0.7	568,363	568,047
Supplementary series:[2]													
Capital goods industries	45,626	44,474	44,214	+2.6	+0.6	-1.7	50,489	43,423	42,486	48,545	+4.0	265,523	254,829
Nondefense	36,569	35,297	35,296	+3.6	0.0	-2.4	40,871	34,476	34,262	38,699	+5.6	214,354	203,836
Excluding aircraft and parts	30,584	30,278	30,176	+1.0	+0.3	-4.4	34,407	29,509	29,181	33,784	+1.8	183,104	177,758
Defense	9,057	9,177	8,918	-1.3	+2.9	+1.2	9,618	8,947	8,224	9,846	-2.3	51,169	50,993
Household durable goods industries	6,971	6,918	6,703	+0.8	+3.2	-4.9	7,451	6,705	6,496	7,266	+2.5	41,140	40,840

See footnotes at end of table 2.

Table 2. VALUE OF MANUFACTURERS' NEW ORDERS FOR INDUSTRY GROUPS, MARKET CATEGORIES AND SUPPLEMENTARY SERIES
(Millions of dollars)

Industry	Seasonally adjusted						Not seasonally adjusted[1]						
	Monthly			Percent Change			Monthly				Percent change	Year to date	
	June 1990P	May 1990r	Apr. 1990	May-June P	Apr.-May r	Mar.-Apr.	June 1990P	May 1990r	Apr. 1990	June 1989	June90/89P	1990P	1989
All manufacturing industries	237,399	241,102	236,026	-1.5	+2.2	-2.1	250,250	239,906	235,748	246,498	+1.5	1,428,939	1,421,942
Manufacturing industries with unfilled orders	131,930	135,716	132,659	-2.8	+2.3	-2.6	138,626	132,548	130,890	137,809	+0.6	800,064	793,853
Durable goods industries	125,084	128,737	123,609	-2.8	+4.1	-4.1	133,067	128,108	123,957	132,111	+0.7	758,585	768,930
With unfilled orders	103,890	107,431	103,949	-3.3	+3.3	-3.7	110,022	104,997	102,334	109,695	+0.3	632,030	631,392
Stone, clay, and glass products	5,458	5,363	5,535	+1.8	-3.1	+6.0	5,915	5,563	5,637	5,797	+2.0	32,419	32,238
Primary metals	11,531	11,886	11,594	-3.0	+2.5	-1.6	11,464	11,887	11,679	11,795	-2.8	71,442	77,116
Blast furnaces, steel mills	4,791	5,022	4,655	-4.6	+7.9	-0.5	4,567	5,018	4,781	4,233	+7.9	29,405	30,647
Iron and steel foundries	908	890	853	+2.0	+4.3	-14.5	941	892	929	861	+9.3	5,387	5,634
Nonferrous and other primary metals	5,832	5,974	6,086	-2.4	-1.8	-0.4	5,956	5,977	5,969	6,701	-11.1	36,650	40,835
Fabricated metal products	14,086	14,147	13,827	-0.4	+2.3	-2.5	15,089	14,658	14,086	14,488	+4.1	85,470	80,166
Machinery, except electrical	21,716	22,275	21,500	-2.5	+3.6	-3.7	24,395	21,869	21,611	26,075	-6.4	134,627	137,125
Engines and turbines	1,338	1,452	1,189	-7.9	+22.1	-14.0	1,458	1,404	1,084	2,677	-45.5	8,258	9,942
Construction, mining and material handling equipment	3,194	3,001	2,972	+6.4	+1.0	+5.8	3,285	2,838	3,179	2,939	+11.8	18,519	17,432
Metalworking machinery	1,076	968	845	+11.2	+14.6	-20.9	1,225	907	788	1,073	+14.2	6,001	6,062
Office and computing machines	5,690	5,911	5,957	-3.7	-0.8	-3.6	7,246	5,459	5,147	7,244	0.0	34,586	32,878
Electrical machinery	19,965	20,737	20,444	-3.7	+1.4	+4.4	21,801	19,614	19,419	21,097	+3.3	120,107	115,953
Electrical transmission and distribution equipment and industrial apparatus	2,391	2,454	2,611	-2.6	-6.0	+11.5	2,520	2,414	2,553	2,596	-2.9	15,242	15,671
Communication equipment	6,716	6,790	7,012	-1.1	-3.2	+13.0	7,745	5,997	6,284	7,043	+10.0	38,397	35,806
Electronic components	4,588	5,406	4,894	-15.1	+10.5	-0.9	4,859	5,332	5,206	5,078	-4.3	30,720	28,767
Other electrical machinery	3,554	3,561	3,307	-0.2	+7.7	-5.3	3,658	3,469	3,066	3,575	+2.3	20,096	20,362
Transportation equipment	33,790	35,516	32,234	-4.9	+10.2	-13.2	34,696	35,574	32,560	33,468	+3.7	201,181	214,951
Aircraft, missiles, and parts.	10,945	12,394	11,108	-11.7	+11.6	-27.7	10,613	10,628	10,049	11,751	-9.7	68,300	76,629
Shipbuilding and military tank vehicles	601	440	801	+36.6	-45.1	-6.6	690	646	736	1,343	-48.6	5,076	5,761
Instruments and related products	6,370	6,577	6,471	-3.1	+1.6	-1.3	7,013	6,550	6,194	7,022	-0.1	39,342	37,751
Scientific and engineering instruments	4,257	4,461	4,336	-4.6	+2.9	-0.4	4,537	4,415	4,151	4,458	+1.8	26,456	24,937
All other durable goods	12,168	12,236	12,004	-0.6	+1.9	-0.6	12,694	12,393	12,771	12,369	+2.6	73,997	73,630
Nondurable goods industries	112,315	112,365	112,417	0.0	0.0	+0.2	117,183	111,798	111,791	114,387	+2.4	670,354	653,012
With unfilled orders	28,040	28,285	28,710	-0.9	-1.5	+1.4	28,604	27,551	28,556	28,114	+1.7	168,034	162,461
Market categories:													
Home goods and apparel	14,848	14,757	14,159	+0.6	+4.2	+0.1	15,514	13,912	13,466	15,102	+2.7	86,388	88,668
Consumer staples	48,304	48,501	48,254	-0.4	+0.5	+0.4	50,390	48,254	46,989	47,613	+5.8	284,622	268,539
Equipment and defense prod. except automotive	39,611	40,586	39,126	-2.4	+3.7	-12.1	42,799	38,453	37,194	45,322	-5.6	242,999	247,396
Automotive equipment	23,336	23,819	21,220	-2.0	+12.2	-4.1	24,612	25,473	22,711	21,438	+14.8	134,577	138,540
Construction materials, supplies and intermediate products	17,633	17,674	17,526	-0.2	+0.8	+1.1	19,104	18,066	18,380	18,677	+2.3	105,682	104,617
Other materials, supplies, and intermediate products	93,667	95,765	95,741	-2.2	0.0	+0.9	97,831	95,748	97,008	98,346	-0.5	574,671	574,182
Supplementary series:													
Capital goods industries	44,174	46,009	44,979	-4.0	+2.3	-8.0	47,696	42,773	42,501	50,584	-5.7	270,061	280,183
Nondefense	36,141	35,928	36,573	+0.6	-1.8	-10.6	40,321	34,815	35,581	42,817	-5.8	223,752	232,137
Excluding aircraft and parts	29,770	30,184	30,156	-1.4	+0.1	-1.1	33,471	29,123	29,203	35,395	-5.4	181,889	183,326
Defense	8,033	10,081	8,406	-20.3	+19.9	+4.8	7,375	7,958	6,920	7,767	-5.0	46,309	48,046
Household durable goods industries	7,062	6,853	6,718	+3.0	+2.0	-2.3	7,454	6,614	6,600	6,988	+6.7	42,137	42,394

P Preliminary. r Revised.

[1]Shipments and new orders are the totals for the period and are adjusted for trading-day and calendar-month variations; unfilled orders and inventories are as of the end of the period end are not adjusted for trading-day or calendar-month variations.

[2]The supplementary series are regroupings of the separate industry categories:

Nondefense capital goods include machinery, except electrical (excluding farm machinery and equipment and machine shops); electrical machinery (excluding household appliances, radio and TV, and electronic components); railroad equipment; and the nondefense portions of ordnance; communication equipment; aircraft, missiles and parts; tanks, and shipbuilding, converting and repairing.

Defense capital goods include ordnance; communication equipment; aircraft, missiles and parts; tanks, and shipbuilding, converting and repairing.

Household durable goods industries include household furniture; kitchen articles and pottery; cutlery, handtools, and hardware; household appliances; radio and TV; ophthalmic goods; watches and clocks; and miscellaneous personal goods.

Table 3. VALUE OF MANUFACTURERS' UNFILLED ORDERS FOR INDUSTRY GROUPS, MARKET CATEGORIES AND SUPPLEMENTARY SERIES
(Millions of dollars)

Industry	Seasonally adjusted						Not seasonally adjusted[1]				
	Monthly			Percent Change			Monthly				Percent change
	June 1990p	May 1990r	Apr. 1990	May-Junep	Apr.-Mayr	Mar.-Apr.	June 1990p	May 1990r	Apr. 1990	June 1989	June90/89p
All manufacturing industries	517,718	520,432	518,193	-0.5	+0.4	+0.3	517,776	522,862	523,388	491,250	+5.4
Durable goods industries	498,073	500,538	498,308	-0.5	+0.4	+0.3	497,984	502,837	503,170	470,213	+5.9
Stone, clay, and glass products	5,011	5,002	5,099	+0.2	-1.9	+3.7	5,084	5,061	5,124	5,536	-8.2
Primary metals	23,601	23,458	23,047	+0.6	+1.8	+1.3	23,835	24,419	24,259	25,667	-7.1
Blast furnaces, steel mills	9,430	9,271	8,942	+1.7	+3.7	+1.3	9,373	9,744	9,612	9,903	-5.4
Iron and steel foundries	2,669	2,615	2,556	+2.1	+2.3	+1.0	2,661	2,627	2,629	2,413	+10.3
Nonferrous and other primary metals	11,502	11,572	11,549	-0.6	+0.2	+1.3	11,801	12,048	12,018	13,351	-11.6
Fabricated metal products	24,939	25,133	25,533	-0.8	-1.6	+0.1	24,976	25,225	25,681	27,645	-9.7
Machinery, except electrical	60,214	60,486	60,295	-0.4	+0.3	-0.9	60,043	60,872	60,848	62,520	-4.0
Engines and turbines	7,080	7,102	6,972	-0.3	+1.9	-1.2	6,855	6,830	6,743	6,056	+13.2
Construction, mining and material handling equipment	9,198	8,976	8,979	+2.5	0.0	+0.4	9,152	9,026	9,285	9,329	-1.9
Metalworking machinery	4,295	4,301	4,376	-0.1	-1.7	-4.2	4,278	4,234	4,350	4,623	-7.5
Office and computing machines	12,245	12,605	12,520	-2.9	+0.7	+0.5	12,269	12,918	12,603	12,435	-1.3
Electrical machinery	92,141	92,815	92,720	-0.7	+0.1	+0.3	92,399	92,719	93,255	90,651	+1.9
Electrical transmission and distribution equipment and industrial apparatus	6,683	6,920	7,006	-3.4	-1.2	+1.7	6,632	6,949	7,045	7,221	-8.2
Communication equipment	65,242	65,158	65,214	+0.1	-0.1	+0.1	65,257	64,771	65,490	63,692	+2.5
Electronic components	14,063	14,589	14,265	-3.6	+2.3	+0.1	14,400	14,911	14,602	14,073	+2.3
Other electrical machinery	5,141	5,183	5,176	-0.8	+0.1	+0.5	5,156	5,162	5,135	4,741	+8.8
Transportation equipment	270,804	272,004	269,926	-0.4	+0.8	+0.5	269,906	272,374	271,857	235,669	+14.5
Aircraft, missiles, and parts.	233,783	234,104	232,037	-0.1	+0.9	+0.4	233,027	234,566	234,031	197,773	+17.8
Shipbuilding and military tank vehicles	26,898	27,302	27,806	-1.5	-1.8	-0.5	26,921	27,250	27,527	26,644	+1.0
Instruments and related products	14,304	14,584	14,675	-1.9	-0.6	-0.5	14,306	14,517	14,634	14,527	-1.5
Scientific and engineering instruments	13,408	13,605	13,674	-1.4	-0.5	-0.6	13,354	13,538	13,632	13,430	-.6
All other durable goods	7,059	7,056	7,013	0.0	+0.6	+0.7	7,435	7,650	7,512	7,998	-7.0
Nondurable goods industries	19,645	19,894	19,885	-1.3	0.0	+1.0	19,792	20,025	20,218	21,037	-5.9
Market categories:											
Home goods and apparel	7,380	7,334	7,320	+0.6	+0.2	+0.7	7,768	7,901	7,823	8,670	-10.4
Consumer staples	751	667	727	+12.6	-8.3	-8.7	709	630	759	917	-22.7
Equipment and defense prod. except automotive	331,657	332,717	332,125	-0.3	+0.2	-0.3	330,533	332,938	333,901	306,762	+7.7
Automotive equipment	7,487	7,839	7,479	-4.5	+4.8	+3.0	7,322	7,799	7,695	8,106	-9.7
Construction materials, supplies and intermediate products	13,117	13,261	13,451	-1.1	-1.4	+1.1	13,313	13,468	13,643	14,846	-10.3
Other materials, supplies, and intermediate products	157,326	158,614	157,091	-0.8	+1.0	+1.5	158,131	160,126	159,567	151,949	+4.1
Supplementary series:											
Capital goods industries	403,333	404,785	403,250	-0.4	+0.4	+0.2	402,349	405,142	405,792	369,597	+8.9
Nondefense	239,825	240,253	239,622	-0.2	+0.3	+0.5	239,646	240,196	239,857	207,074	+15.7
Excluding aircraft and parts	90,384	91,198	91,292	-0.9	-0.1	0.0	90,205	91,141	91,527	92,308	-2.3
Defense	163,508	164,532	163,628	-0.6	+0.6	-0.3	162,703	164,946	165,935	162,523	+.1
Household durable goods industries	5,330	5,239	5,304	+1.7	-1.2	+0.3	5,673	5,670	5,761	6,283	-9.7

See footnotes at end of table 2.

Table 4. VALUE OF MANUFACTURERS' INVENTORIES FOR INDUSTRY GROUPS, MARKET CATEGORIES AND SUPPLEMENTARY SERIES
(Millions of dollars)

Industry	Seasonally adjusted						Not seasonally adjusted[1]				
	Monthly			Percent Change			Monthly				Percent change
	June 1990P	May 1990r	Apr. 1990	May-June P	Apr.-May r	Mar.-Apr.	June 1990P	May 1990r	Apr. 1990	June 1989	June90/89P
All manufacturing industries	370,529	372,384	372,300	-0.5	0.0	+0.1	370,485	375,885	374,561	366,693	+1.0
Manufacturing industries with unfilled orders	258,194	259,505	259,681	-0.5	-0.1	+0.4	259,406	262,902	261,474	256,270	+1.2
Durable goods industries	244,874	246,530	246,609	-0.7	0.0	+0.5	245,181	249,419	248,294	242,874	+.9
With unfilled orders	226,507	227,912	228,095	-0.6	-0.1	+0.4	227,181	230,752	229,509	224,652	+1.1
Stone, clay, and glass products	7,744	7,668	7,751	+1.0	-1.1	+0.3	7,823	7,903	7,942	7,836	-.2
Primary metals	20,588	20,302	20,330	+1.4	-0.1	+0.4	20,536	20,513	20,422	21,212	-3.2
Blast furnaces, steel mills	10,346	10,352	10,477	-0.1	-1.2	0.0	10,284	10,372	10,352	10,509	-2.1
Iron and steel foundries	1,356	1,330	1,306	+2.0	+1.8	+3.2	1,357	1,369	1,369	1,390	-2.4
Nonferrous and other primary metals	8,886	8,620	8,547	+3.1	+0.9	+0.6	8,895	8,772	8,701	9,313	-4.5
Fabricated metal products	23,360	23,511	23,657	-0.6	-0.6	-0.1	23,522	23,839	23,980	23,919	-1.7
Machinery, except electrical	47,523	48,094	47,943	-1.2	+0.3	+0.5	47,476	48,585	48,298	47,865	-.8
Engines and turbines	3,039	3,070	3,048	-1.0	+0.7	+0.2	3,071	3,097	3,044	3,181	-3.5
Construction, mining and material handling equipment	7,654	7,614	7,605	+0.5	+0.1	+0.5	7,623	7,672	7,689	7,760	-1.8
Metalworking machinery	3,152	3,173	3,217	-0.7	-1.4	+1.9	3,130	3,215	3,194	3,214	-2.6
Office and computing machines	12,154	12,758	12,629	-4.7	+1.0	+2.3	12,081	12,868	12,669	12,032	+.4
Electrical machinery	39,898	40,228	40,414	-0.8	-0.5	-0.1	40,315	40,917	40,762	41,587	-3.1
Electrical transmission and distribution equipment and industrial apparatus	5,020	5,017	5,077	+0.1	-1.2	-0.9	5,039	5,111	5,181	5,113	-1.4
Household appliances	2,849	2,929	2,934	-2.7	-0.2	+0.2	2,940	3,162	3,120	2,986	-1.5
Radio and TV	1,810	1,797	1,792	+0.7	+0.3	-2.7	1,882	1,870	1,826	1,648	+14.2
Communication equipment	15,100	15,289	15,455	-1.2	-1.1	-0.4	15,126	15,379	15,418	16,517	-8.4
Electronic components	8,834	8,852	8,790	-0.2	+0.7	+0.7	8,861	8,891	8,775	8,726	+1.5
Other electrical machinery	6,285	6,344	6,366	-0.9	-0.3	+0.5	6,467	6,504	6,442	6,597	-2.0
Transportation equipment	73,244	74,031	73,709	-1.1	+0.4	+1.2	72,904	74,567	73,800	67,998	+7.2
Motor vehicles and parts	11,829	12,045	11,880	-1.8	+1.4	+2.2	11,338	11,878	11,862	11,649	-2.7
Aircraft, missiles, and parts.	56,755	57,146	57,032	-0.7	+0.2	+0.9	56,902	57,782	57,143	51,678	+10.1
Shipbuilding and military tank vehicles	2,542	2,630	2,599	-3.3	+1.2	+1.2	2,510	2,686	2,631	2,291	+9.6
Instruments and related products	13,695	13,877	13,999	-1.3	-0.9	-0.5	13,759	14,152	14,107	14,243	-3.4
Scientific and engineering instruments	10,187	10,237	10,353	-0.5	-1.1	-0.3	10,207	10,414	10,398	10,410	-2.0
All other durable goods	18,822	18,819	18,806	0.0	+0.1	+0.8	18,846	18,943	18,983	18,214	+3.5
Nondurable goods industries	125,655	125,854	125,691	-0.2	+0.1	-0.5	125,304	126,466	126,267	123,819	+1.2
With unfilled orders	31,687	31,593	31,586	+0.3	0.0	-0.1	32,225	32,150	31,965	31,618	+1.9
Food and kindred products	26,849	26,835	26,683	+0.1	+0.6	0.0	25,589	25,876	26,053	24,969	+2.5
Dairy products	2,328	2,692	2,652	+5.1	+1.5	+1.6	2,845	2,769	2,693	2,492	+14.2
Beverages	4,243	4,235	4,266	+0.2	-0.7	-1.1	4,205	4,286	4,347	4,296	-2.1
All other foods	15,403	15,602	15,557	-1.3	+0.3	-0.5	14,232	14,481	14,609	13,975	+1.8
Tobacco products	5,706	5,633	5,727	+1.3	-1.6	-0.4	5,392	5,503	5,808	5,198	+3.7
Textile mill products	8,355	8,417	8,420	-0.7	0.0	+0.4	8,514	8,690	8,614	7,967	+6.9
Broadwoven fabrics	4,666	4,709	4,721	-0.9	-0.3	+0.1	4,736	4,823	4,821	4,559	+3.9
Paper and allied products	12,709	12,696	12,651	+0.1	+0.4	0.0	12,822	12,866	12,841	12,452	+3.0
Pulp, paper etc.	5,085	5,040	5,000	+0.9	+0.8	+0.9	5,090	5,102	5,090	4,737	+7.5
Paperboard containers	3,210	3,193	3,239	+0.5	-1.4	+0.1	3,207	3,234	3,300	3,123	+2.7
All other paper products	4,414	4,463	4,412	-1.1	+1.2	-1.1	4,525	4,530	4,451	4,592	-1.5
Chemicals and allied products	29,016	28,973	28,890	+0.1	+0.3	+0.5	28,947	29,154	29,188	29,100	-.5
Industrial chemicals, except pigments	7,457	7,502	7,563	-0.6	-0.8	-0.2	7,464	7,535	7,620	8,142	-8.3
Drugs, soaps, and toiletries	9,965	9,971	9,893	-0.1	+0.8	+1.1	10,114	10,152	9,983	9,807	+3.1
Other chemical products	7,293	7,225	7,195	+0.9	+0.4	+1.1	7,242	7,254	7,284	7,264	-.3
Petroleum and coal products	10,542	10,784	10,943	-2.2	-1.5	-3.9	10,688	10,964	10,929	10,759	-.7
Rubber and plastics products	10,292	10,343	10,208	-0.5	+1.3	+0.1	10,293	10,534	10,417	10,650	-3.4
All other nondurable goods	22,186	22,173	22,169	+0.1	0.0	-1.6	23,059	22,879	22,417	22,724	+1.5
Market categories:											
Home goods and apparel	27,447	27,644	27,648	-0.7	0.0	-1.2	28,431	28,775	28,189	27,319	+4.1
Consumer staples	46,583	46,476	46,399	+0.2	+0.2	+0.2	45,320	45,668	45,982	44,035	+2.9
Equipment and defense prod. except automotive	113,113	114,393	114,156	-1.1	+0.2	+0.6	113,194	115,653	114,739	110,724	+2.2
Automotive equipment	14,847	15,110	14,976	-1.7	+0.9	+2.0	14,411	15,005	14,972	14,803	-2.6
Construction materials, supplies and intermediate products	25,630	25,596	25,779	+0.1	-0.7	0.0	25,778	26,046	26,242	25,723	+.2
Other materials, supplies, and intermediate products	142,909	143,165	143,342	-0.2	-0.1	-0.1	143,351	144,738	144,437	144,089	-.5
Supplementary series:[2]											
Capital goods industries	130,851	132,299	132,263	-1.1	0.0	+0.5	131,293	133,898	132,915	127,747	+2.8
Nondefense	92,357	93,573	93,426	-1.3	+0.2	+0.4	92,639	94,680	94,043	90,676	+2.2
Excluding aircraft and parts	64,537	65,495	65,541	-1.5	-0.1	+0.2	64,845	66,394	66,090	66,323	-2.2
Defense	38,494	38,726	38,837	-0.6	-0.3	+0.7	38,654	39,218	38,872	37,071	+4.3
Household durable goods industries	13,469	13,568	13,589	-0.7	-0.2	-0.1	13,785	14,018	13,844	13,367	+3.1

See footnotes at end of table 2.

Table 5. VALUE OF MANUFACTURERS' INVENTORIES, BY STAGE OF FABRICATION, BY INDUSTRY GROUP
(Millions of dollars)

Industry	Seasonally adjusted						Not seasonally adjusted				
	Monthly			Percent Change			Monthly				Percent change
	June 1990[p]	May 1990[r]	Apr. 1990	May-June[p]	Apr.-May[r]	Mar.-Apr.	June 1990[p]	May 1990[r]	Apr. 1990	June 1989	June90/89[p]
MATERIALS AND SUPPLIES											
All manufacturing industries	113,009	113,552	113,565	-0.5	0.0	-0.2	112,491	113,254	113,668	113,223	-.6
Durable goods industries	66,392	66,814	66,689	-0.6	+0.2	-0.1	66,103	66,509	66,484	66,537	-.7
Stone, clay, and glass products	2,574	2,572	2,541	+0.1	+1.2	+0.2	2,574	2,595	2,554	2,519	+2.2
Primary metals	6,410	6,396	6,362	+0.2	+0.5	+0.3	6,300	6,214	6,160	6,439	-2.2
Fabricated metal products	8,187	8,330	8,400	-1.7	-0.8	-0.9	8,187	8,311	8,390	8,698	-5.9
Machinery, except electrical	12,303	12,362	12,349	-0.5	+0.1	-0.7	12,288	12,309	12,344	12,923	-4.9
Electrical machinery	10,957	11,090	11,104	-1.2	-0.1	-0.5	10,945	11,162	11,188	11,095	-1.4
Transportation equipment	13,550	13,628	13,481	-0.6	+1.1	+1.1	13,532	13,596	13,530	13,221	+2.4
Instruments and related products	4,943	4,988	5,038	-0.9	-1.0	-1.3	4,969	5,041	5,047	4,735	+4.9
Lumber, furniture and miscellaneous durable goods	7,468	7,448	7,414	+0.3	+0.5	+0.7	7,308	7,281	7,271	6,907	+5.8
Nondurable goods industries	46,617	46,738	46,876	-0.3	-0.3	-0.4	46,388	46,745	47,184	46,686	-.6
Food and kindred products	8,804	8,775	8,733	+0.3	+0.5	-0.3	8,583	8,720	8,799	8,476	+1.3
Tobacco products	4,244	4,298	4,374	-1.3	-1.7	+0.6	4,043	4,241	4,391	3,930	+2.9
Textile mill products	2,485	2,424	2,482	+2.5	-2.3	+1.9	2,527	2,512	2,567	2,388	+5.8
Paper and allied products	6,882	6,900	6,857	-0.3	+0.6	+0.9	6,899	6,882	6,881	6,659	+3.6
Chemicals and allied products	10,053	10,086	10,032	-0.3	+0.5	-0.2	10,098	10,092	10,048	10,220	-1.2
Petroleum and coal products	2,619	2,650	2,748	-1.2	-3.6	-3.5	2,671	2,689	2,821	2,529	+5.6
Rubber and plastics products	3,751	3,815	3,824	-1.7	-0.2	-0.3	3,720	3,815	3,811	4,062	-8.4
Apparel, printing and publishing and leather goods	7,779	7,790	7,826	-0.1	-0.5	-2.1	7,847	7,794	7,866	8,422	-6.8
WORK IN PROCESS											
All manufacturing industries	136,959	138,387	138,570	-1.0	-0.1	+0.6	136,846	139,938	139,267	135,112	+1.3
Durable goods industries	116,268	117,482	117,810	-1.0	-0.3	+0.8	116,280	118,882	118,400	114,668	+1.4
Stone, clay, and glass products	1,014	1,024	1,024	-1.0	0.0	-0.1	1,034	1,046	1,059	1,146	-9.8
Primary metals	8,208	8,000	8,078	+2.6	-1.0	-0.1	8,183	8,148	8,224	8,837	-7.4
Fabricated metal products	8,243	8,214	8,251	+0.4	-0.4	+0.8	8,211	8,368	8,439	8,170	+.5
Machinery, except electrical	19,497	20,096	20,103	-3.0	0.0	+0.8	19,610	20,411	20,237	19,803	-1.0
Electrical machinery	18,602	18,849	19,063	-1.3	-1.1	+0.4	18,692	19,029	19,055	20,276	-7.8
Transportation equipment	51,843	52,409	52,379	-1.1	+0.1	+1.1	51,618	52,812	52,361	47,134	+9.5
Instruments and related products	5,026	5,036	5,081	-0.2	-0.9	-0.1	5,067	5,170	5,135	5,433	-6.7
Lumber, furniture and miscellaneous durable goods	3,835	3,854	3,831	-0.5	+0.6	+1.4	3,865	3,898	3,890	3,805	+1.6
Nondurable goods industries	20,691	20,905	20,760	-1.0	+0.7	-0.6	20,566	21,056	20,867	20,508	+.3
Food and kindred products	2,749	2,777	2,761	-1.0	+0.6	+0.1	2,675	2,687	2,754	2,579	+3.7
Tobacco products	262	256	251	+2.3	+2.0	+3.3	199	215	210	197	+1.0
Textile mill products	2,611	2,600	2,544	+0.4	+2.2	-1.8	2,634	2,624	2,560	2,443	+7.8
Paper and allied products	1,342	1,342	1,364	0.0	-1.6	-1.6	1,354	1,346	1,377	1,403	-3.5
Chemicals and allied products	4,841	4,872	4,895	-0.6	-0.5	+2.2	4,805	4,968	4,932	4,544	+5.7
Petroleum and coal products	2,922	3,031	2,887	-3.6	+5.0	-8.8	2,960	3,116	2,877	3,047	-2.9
Rubber and plastics products	1,371	1,398	1,371	-1.9	+2.0	+0.6	1,327	1,388	1,350	1,431	-7.3
Apparel, printing and publishing and leather goods	4,593	4,629	4,687	-0.8	-1.2	+2.2	4,612	4,712	4,807	4,864	-5.2
FINISHED GOODS											
All manufacturing industries	120,561	120,445	120,165	+0.1	+0.2	0.0	121,148	122,693	121,626	118,358	+2.4
Durable goods industries	62,214	62,234	62,110	0.0	+0.2	+0.6	62,798	64,028	63,410	61,733	+1.7
Stone, clay, and glass products	4,156	4,072	4,186	+2.1	-2.7	+0.5	4,215	4,262	4,329	4,171	+1.1
Primary metals	5,970	5,906	5,890	+1.1	+0.3	+1.4	6,053	6,151	6,038	5,936	+2.0
Fabricated metal products	6,930	6,967	7,006	-0.5	-0.6	-0.1	7,124	7,160	7,151	7,051	+1.0
Machinery, except electrical	15,723	15,636	15,491	+0.6	+0.9	+1.0	15,578	15,865	15,717	15,139	+2.9
Electrical machinery	10,339	10,289	10,247	+0.5	+0.4	-0.7	10,678	10,726	10,519	10,216	+4.5
Transportation equipment	7,851	7,994	7,849	-1.8	+1.8	+1.8	7,754	8,159	7,909	7,643	+1.5
Instruments and related products	3,726	3,853	3,880	-3.3	-0.7	0.0	3,723	3,941	3,925	4,075	-8.6
Lumber, furniture and miscellaneous durable goods	7,519	7,517	7,561	0.0	-0.6	+0.4	7,673	7,764	7,822	7,502	+2.3
Nondurable goods industries	58,347	58,211	58,055	+0.2	+0.3	-0.5	58,350	58,665	58,216	56,625	+3.0
Food and kindred products	15,296	15,283	15,189	+0.1	+0.6	+0.2	14,331	14,469	14,500	13,914	+3.0
Tobacco products	1,200	1,079	1,102	+11.2	-2.1	-4.6	1,150	1,047	1,207	1,071	+7.4
Textile mill products	3,259	3,393	3,394	-3.9	0.0	+1.0	3,353	3,554	3,487	3,136	+6.9
Paper and allied products	4,485	4,454	4,430	+0.7	+0.5	-0.9	4,569	4,638	4,583	4,390	+4.1
Chemicals and allied products	14,122	14,015	13,963	+0.8	+0.4	+0.5	14,044	14,094	14,208	14,336	-2.0
Petroleum and coal products	5,001	5,103	5,308	-2.0	-3.9	-1.2	5,057	5,159	5,231	5,183	-2.4
Rubber and plastics products	5,170	5,130	5,013	+0.8	+2.3	+0.3	5,246	5,331	5,256	5,157	+1.7
Apparel, printing and publishing and leather goods	9,814	9,754	9,656	+0.6	+1.0	-2.9	10,600	10,373	9,744	9,438	+12.3

[p]Preliminary. [r]Revised.

Table 6. RATIO OF MANUFACTURES' INVENTORIES TO SHIPMENTS AND UNFILLED ORDERS TO SHIPMENTS, BY INDUSTRY GROUP
(Based on seasonally adjusted data)

Industry	Inventory / Shipments ratio				Unfilled Orders / Shipments ratio[1]			
	June 1990P	May 1990r	Apr. 1990	Mar. 1990	June 1990P	May 1990r	Apr. 1990	Mar. 1990
All manufacturing industries	1.54	1.56	1.59	1.57	3.85	3.90	3.96	3.90
Durable goods industries	1.92	1.95	2.02	1.96	4.68	4.76	4.87	4.77
Stone, clay, and glass products	1.42	1.40	1.45	1.43	1.01	1.01	1.04	1.00
Primary metals	1.81	1.77	1.80	1.78	2.07	2.04	2.04	2.00
Fabricated metal products	1.64	1.62	1.72	1.67	1.91	1.90	2.04	1.99
Machinery, except electrical	2.16	2.18	2.17	2.07	2.91	2.92	2.91	2.81
Electrical machinery	1.93	1.95	2.00	2.00	4.46	4.50	4.59	4.57
Transportation equipment	2.09	2.21	2.39	2.27	11.91	12.84	13.44	13.26
Instruments and related products	2.06	2.08	2.14	2.14	2.15	2.19	2.24	2.25
Nondurable goods industries	1.12	1.12	1.12	1.13	0.69	0.70	0.70	0.70
Food and kindred products	0.79	0.79	0.80	0.79	(X)	(X)	(X)	(X)
Tobacco products	2.97	2.55	2.37	2.87	(X)	(X)	(X)	(X)
Textile mill products	1.65	1.63	1.65	1.62	(NA)	(NA)	(NA)	(NA)
Paper and allied products	1.16	1.15	1.17	1.15	(NA)	(NA)	(NA)	(NA)
Chemicals and allied products	1.31	1.32	1.32	1.33	(X)	(X)	(X)	(X)
Petroleum and coal products	0.89	0.90	0.89	0.91	(X)	(X)	(X)	(X)
Rubber and plastics products	1.37	1.39	1.37	1.33	(X)	(X)	(X)	(X)

P Preliminary. r Revised. (X) Not applicable. (NA) Not available.

[1] Excludes the following industries with no unfilled orders: Wood and lumber products; glass containers; metal cans, barrels and drums; farm machinery and equipment; motor vehicle assembly operations; other transportation equipment; foods and related products; tobacco; apparel and related products; building paper; die-cut paper and board; chemicals; petroleum and coal products; and rubber and plastics products.

Table 7. AVERAGE REVISIONS TO PREVIOUSLY PUBLISHED MONTHLY PERCENT CHANGES
(Based on seasonally adjusted data)

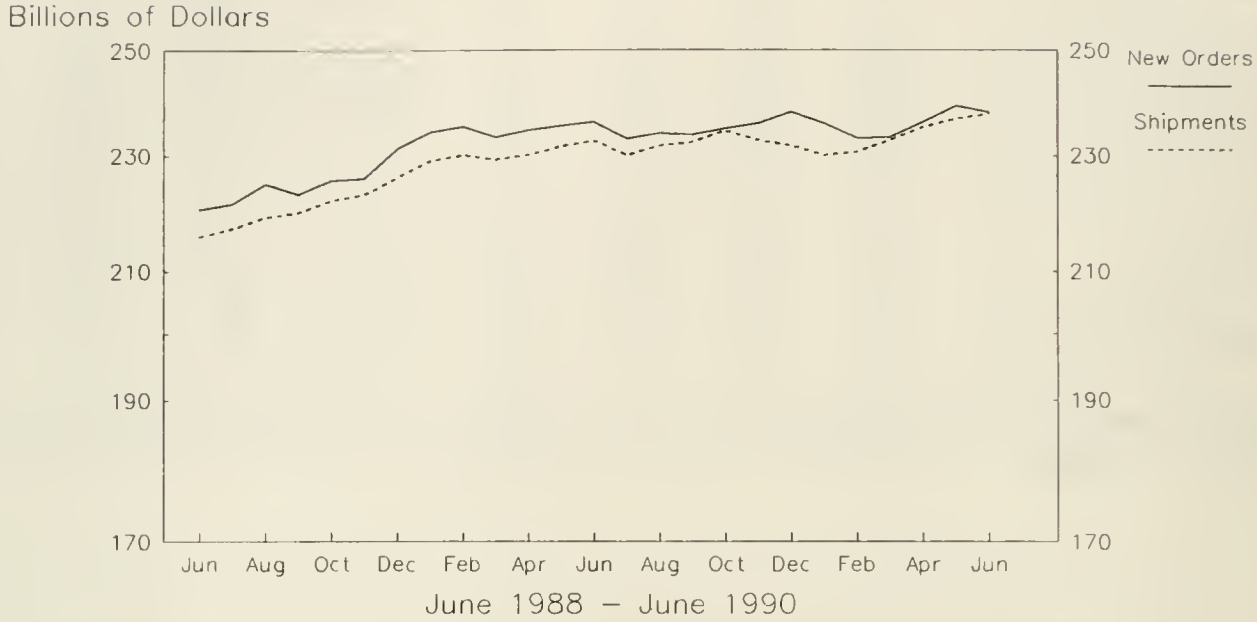
Industry	Shipments			New orders			Unfilled orders			Inventories		
	June 1989	June[1] 1985-1989	June 1989-May 1990	June 1989	June[1] 1985-1989	June 1989-May 1990	June 1989	June[1] 1985-1989	June 1989-May 1990	June 1989	June[1] 1985-1989	June 1989-May 1990
All manufacturing industries	0.3	0.2	0.2	0.2	0.2	0.3	0.3	0.1	0.1	0.1	0.1	0.1
Durable goods industries	0.1	0.1	0.1	1.0	0.3	0.5	0.2	0.1	0.1	0.1	0.1	0.1
Stone, clay, and glass products	0.4	0.5	0.5	0.3	0.7	0.7	0.8	1.1	0.6	0.5	0.5	0.2
Primary metals	0.1	0.7	0.3	0.1	0.9	0.5	0.7	0.5	0.3	0.2	0.2	0.1
Fabricated metal products	0.9	0.5	0.4	2.6	1.2	0.7	0.8	0.5	0.3	0.2	0.3	0.1
Machinery, except electrical	0.5	0.5	0.6	1.8	1.2	0.6	0.4	0.3	0.2	0.4	0.3	0.1
Electrical machinery	0.0	0.2	0.3	1.3	0.7	0.4	0.2	0.1	0.1	0.4	0.2	0.2
Transportation equipment	0.4	0.5	0.3	3.1	1.1	1.6	0.5	0.2	0.2	0.2	0.2	0.1
Instruments and related products	0.9	0.7	0.5	0.7	1.2	0.6	0.1	0.7	0.1	0.0	0.2	0.3
Nondurable goods industries	0.4	0.3	0.2	0.6	0.4	0.3	0.9	0.8	0.5	0.1	0.1	0.1
Food and kindred products	1.0	0.6	0.3	(X)	(X)	(X)	(X)	(X)	(X)	0.0	0.2	0.2
Tobacco products	0.1	0.8	0.4	(X)	(X)	(X)	(X)	(X)	(X)	0.0	0.3	0.1
Textile mill products	1.7	1.8	0.9	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	0.9	0.3	0.3
Paper and allied products	0.4	0.9	0.2	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	0.8	0.4	0.2
Chemicals and allied products	0.1	0.8	0.2	(X)	(X)	(X)	(X)	(X)	(X)	0.3	0.4	0.1
Petroleum and coal products	0.1	0.7	0.3	(X)	(X)	(X)	(X)	(X)	(X)	0.3	0.5	0.2
Rubber and plastics products	4.0	1.2	1.1	(X)	(X)	(X)	(X)	(X)	(X)	0.5	0.4	0.3
Capital goods industries:												
Nondefense	0.5	0.4	0.4	4.8	1.3	1.0	1.9	0.4	0.3	0.2	0.2	0.1
Defense	0.2	1.1	0.4	0.9	2.6	3.3	0.1	0.1	0.2	0.0	0.2	0.0

(X) Not applicable. (NA) Not available.

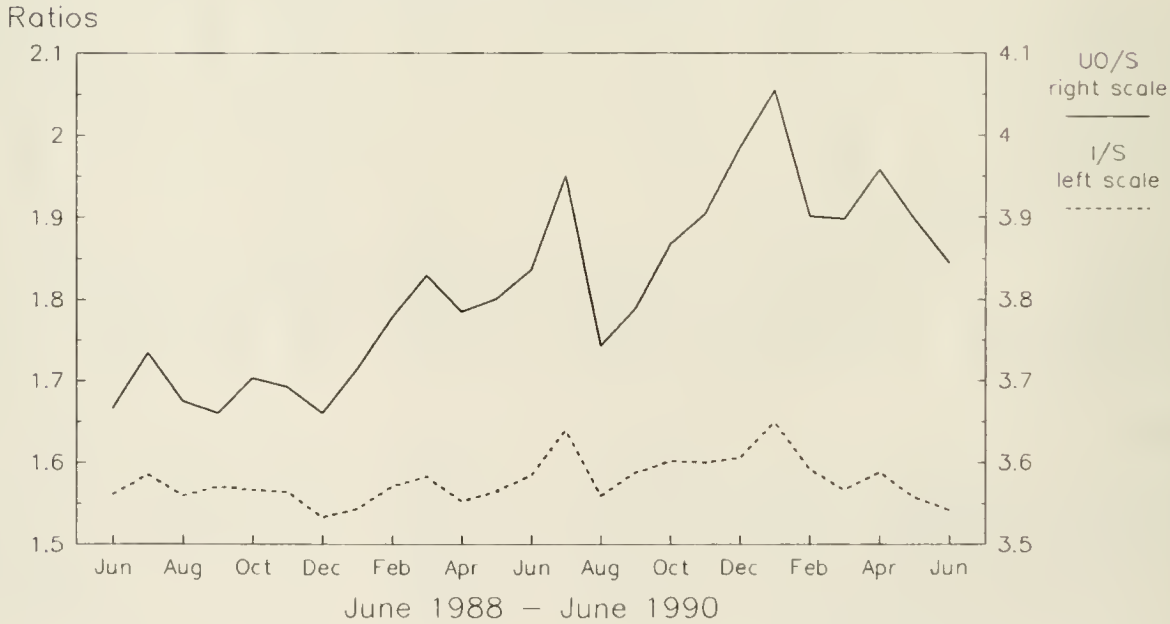
Note: The revisions are the differences between the month-to-month percent changes of the preliminary and final estimates. The monthly averages are the simple averages of the differences, without regard to sign, for the months specified. The advance to final percent change revisions for the durable goods industries are shown in the advance report for the month.

[1] Average for this month for the last five years.

Total Manufacturing
New Orders and Shipments
Three Month Moving Averages

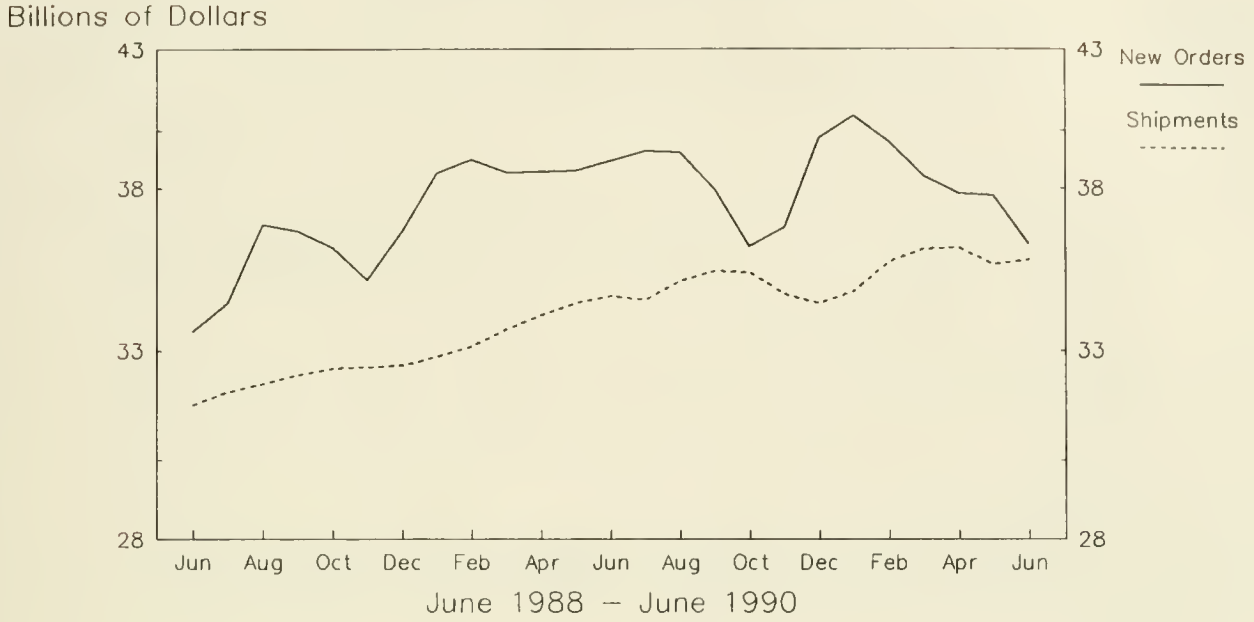


Total Manufacturing
Ratios of Unfilled Orders and
Inventories to Shipments

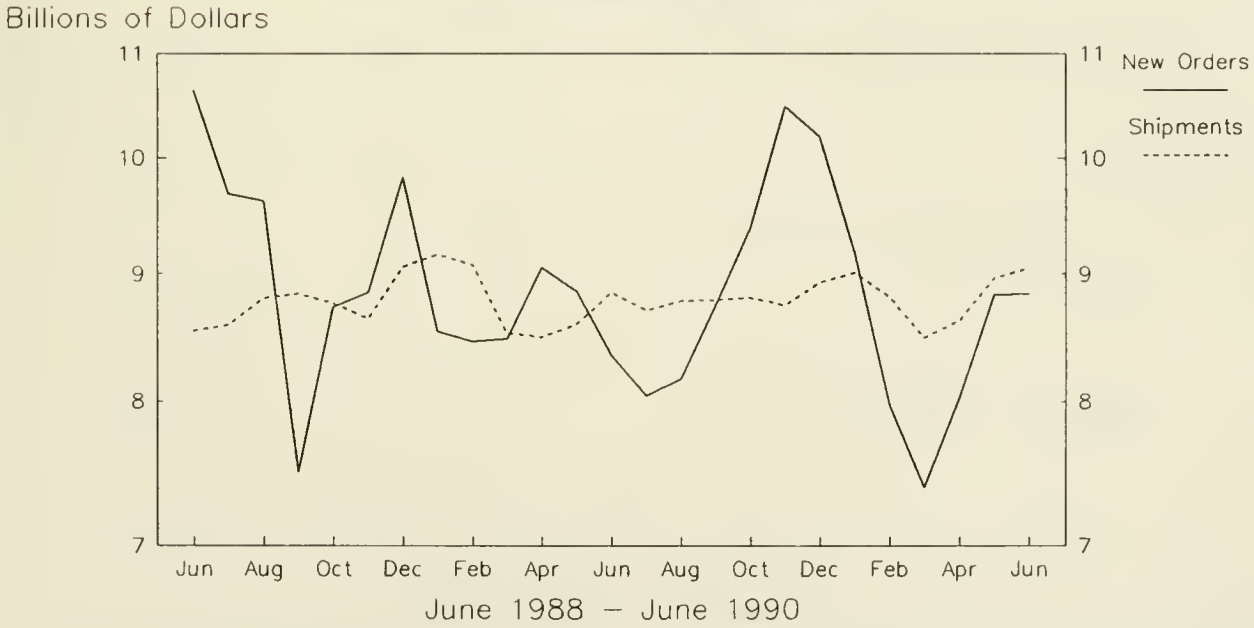


Note: All Charts based on seasonally adjusted current dollars.

Nondefense Capital Goods
New Orders and Shipments
Three Month Moving Averages

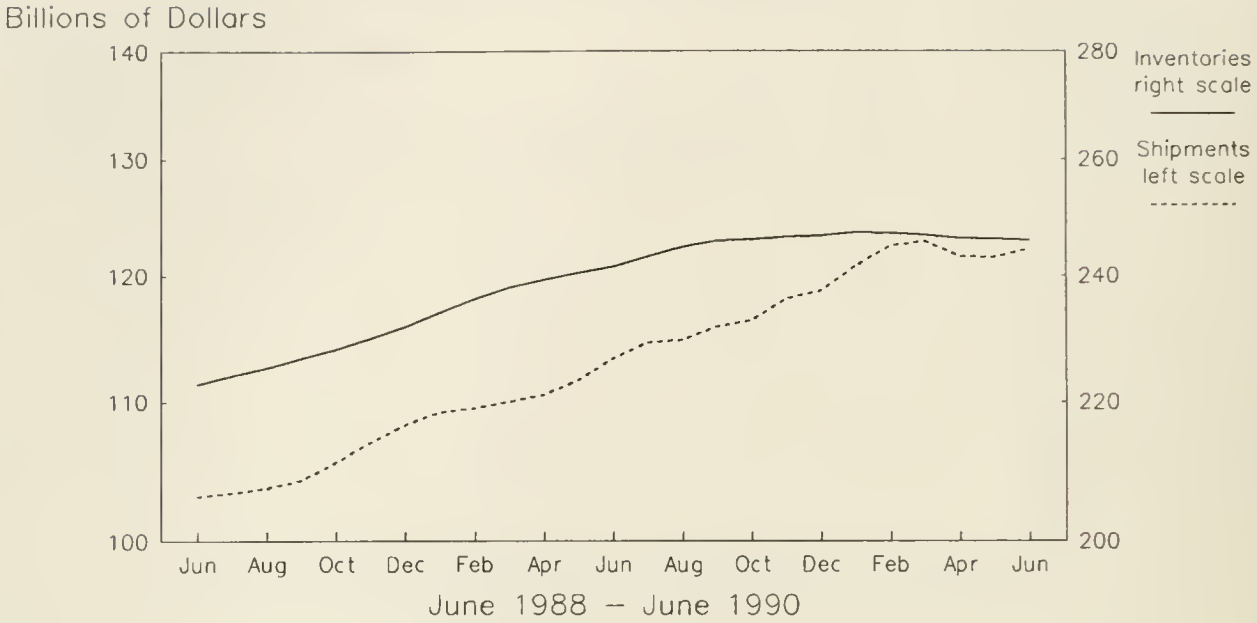


Defense Capital Goods
New Orders and Shipments
Three Month Moving Averages

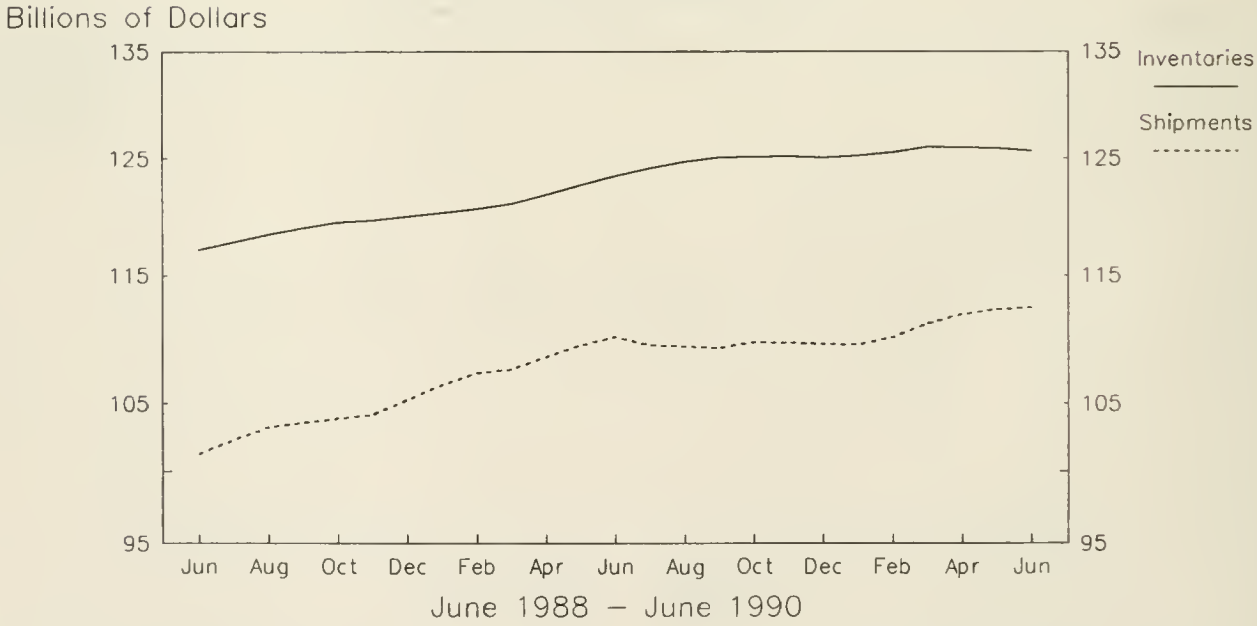


Note: All Charts based on seasonally adjusted current dollars.

Total Durable Goods
Shipments and Inventories
Three Month Moving Averages

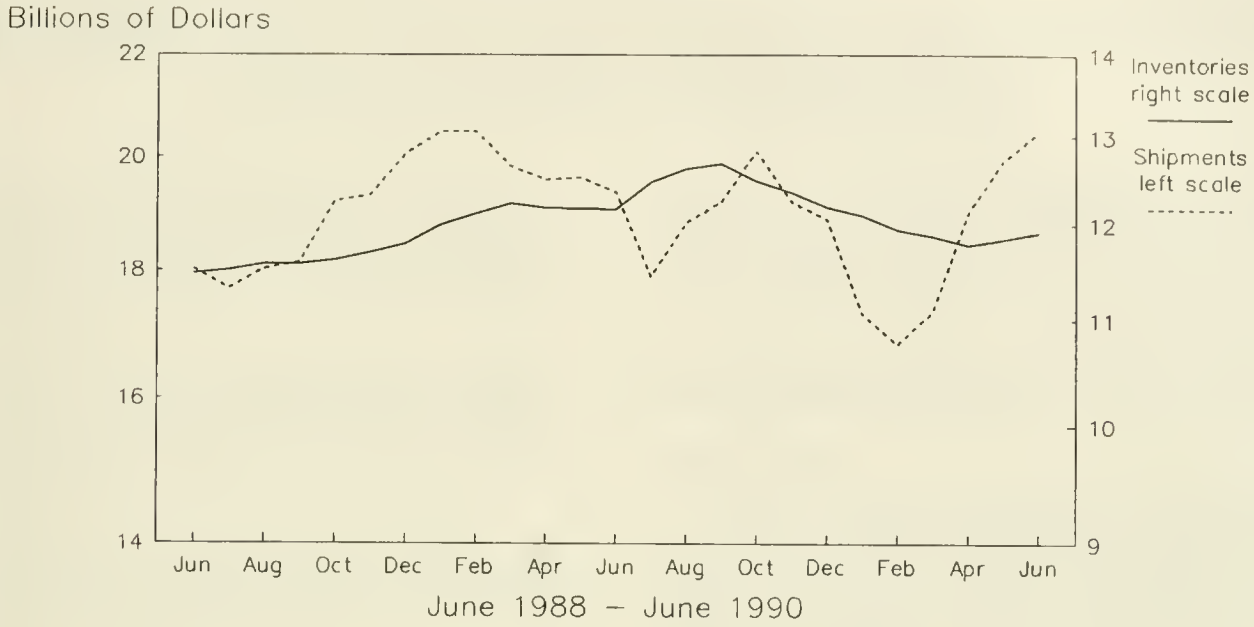


Total Nondurable Goods
Shipments and Inventories
Three Month Moving Averages

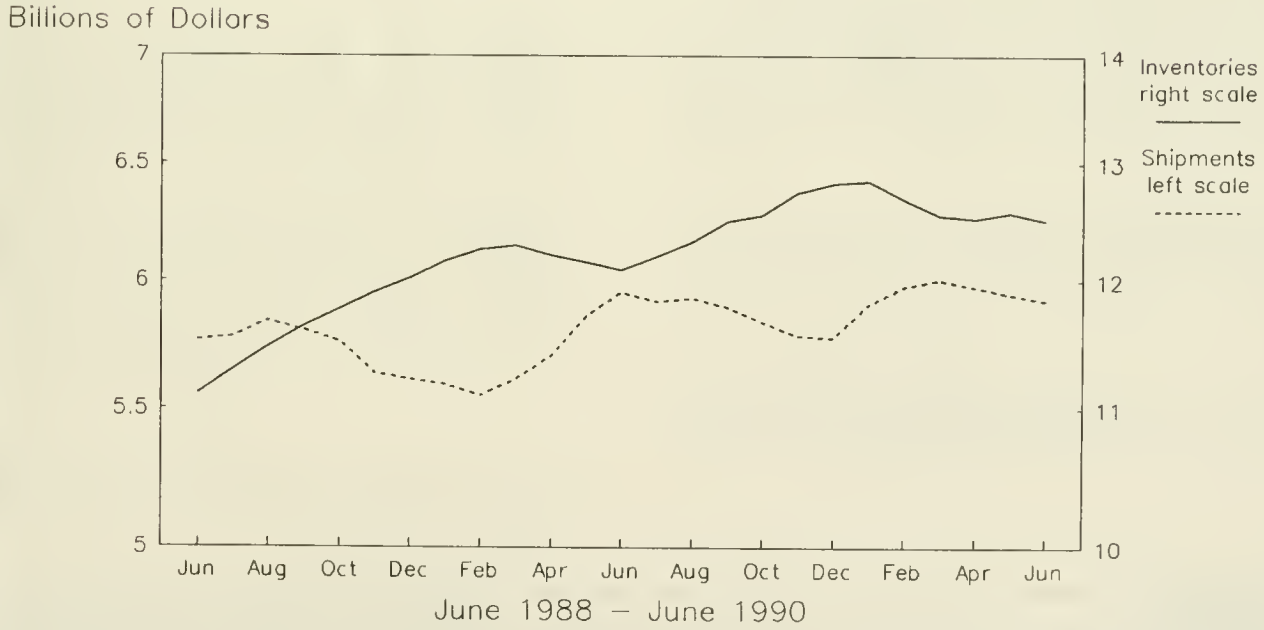


Note: All Charts based on seasonally adjusted current dollars.

Motor Vehicles and Parts
Shipments and Inventories
Three Month Moving Averages



Office and Computing Equipment
Shipments and Inventories
Three Month Moving Averages



Note: All Charts based on seasonally adjusted current dollars.

U.S. Department of Commerce
BUREAU OF THE CENSUS
Washington, D.C. 20233

Official Business
Penalty for Private Use, $300

POSTAGE AND FEES PAID
U.S. DEPARTMENT OF COMMERCE
COM-202

First Class Mail

C3.158:M 3-1-(90)-7
Current Industrial Reports,...

Manufacturers' Shipments, Inventories, and Orders

July 1990
M3-1-(90)-7
For Wire Transmissions 10:00 a.m. E.D.T. Thursday, August 30, 1990

U. S. Department of Commerce
BUREAU OF THE CENSUS

(All figures in text are in seasonally adjusted current dollars)

Summary

New orders for manufactured goods in July increased $3.8 billion or 1.6 percent to $240.3 billion, following a 1.9 percent decrease in June, the Department of Commerce, Bureau of the Census reported today. Orders have been relatively flat since December 1988, averaging $235.9 billion per month.

Shipments of manufactured goods in July declined $2.0 billion or 0.8 percent to $237.5 billion, following a 0.2 percent increase in June. Shipments have also been relatively flat since December 1988, averaging $233.0 billion per month.

Unfilled orders in July increased $2.9 billion or 0.6 percent to $520.4 billion, offsetting the 0.6 percent decline in June. The order backlog showed a fairly strong upward trend from March 1987 through December 1989, but gains this year have been small.

Manufacturers' inventories in July increased $2.6 billion or 0.7 percent to $373.3 billion. This is the largest one month increase since the 0.8 percent increase in January when a high of $374.1 billion was recorded. The inventory to shipments ratio in July was 1.57, up from 1.55 in June.

New Orders

Most of the increase in orders in July was for durable goods, up $3.5 billion or 2.8 percent to $128.2 billion. Orders for defense capital goods were down $0.2 billion or 3.0 percent to $7.6 billion. Excluding defense, durable goods orders were up 3.2 percent.

Within the major industries, transportation equipment had the largest gain, up $1.6 billion or 4.9 percent to $34.9 billion; a large increase in aircraft and parts was partially offset by a decline in motor vehicles and parts. Most of the other major industries had smaller increases.

New orders for nondurables were up $0.2 billion or 0.2 percent to $112.1 billion.

Shipments

Shipments of durable goods in July were down $2.5 billion or 2.0 percent to $124.8 billion. The largest decrease was in transportation equipment, down $1.9 billion or 5.4 percent; motor vehicles and parts accounted for $1.2 billion of the decrease. The other major decline was in nonelectrical machinery, down $1.0 billion or 4.6 percent to $21.1 billion.

Shipments of nondurables were up $0.5 billion or 0.5 percent to $112.7 billion. Tobacco, rubber and plastics, and paper had the largest gains.

Unfilled Orders

Unfilled orders for durables in July increased $3.5 billion or 0.7 percent to $501.4 billion. Nearly all major industries were up. Transportation equipment had the largest increase, up $2.1 billion or 0.8 percent to $272.7 billion, all attributable to aircraft and parts. Electrical machinery had the largest decline, down $0.3 billion or 0.3 percent to $91.9 billion.

The order backlog for nondurables decreased $0.6 billion or 3.0 percent to $19.0 billion; textiles and paper products caused most of the decline.

Inventories

Inventories of durable goods manufacturers increased $1.7 billion or 0.7 percent to $246.6 billion. Aircraft and parts and motor vehicles and parts accounted for most of the increase. Nondurable inventories also increased 0.7 percent, up $0.9 billion to $126.7 billion; the largest increases were in printing and publishing, and chemical products.

The inventory increase was evident in all stages of fabrication in both the durable and nondurable sectors. In total, materials and supplies were up 0.8 percent, work in process 0.6 percent, and finished goods 0.7 percent.

Scheduled Release Dates

The advance report on durable goods for August is scheduled for September 26, 1990 at 8:30 a.m. and the full report on October 3, 1990 at 10:00 a.m.

Address inquiries concerning these figures to U.S. Department of Commerce, Bureau of the Census, Industry Division, Washington, DC 20233 or call Ruth Runyan or Kathleen Menth, (301) 763-2502 or (301) 763-2512.
For sale by the Superintendent of Documents, U.S. Government Printing Office, Washington, DC 20402. This report is also available the day of issue through the Department of Commerce's online Economic Bulletin Board (N-8-1) (202-377-3870) and through the Census Bureau's online information service-CENDATA. CENDATA is available from Dialog Information Services, INC. (1-800-334-2464) and CompuServe (1-800-848-8199). The CENDATA staff at the Bureau of the Census (301-763-2074) can provide content information and general guidance.

Table 1. VALUE OF MANUFACTURERS' SHIPMENTS FOR INDUSTRY GROUPS, MARKET CATEGORIES AND SUPPLEMENTARY SERIES
(Millions of dollars)

Industry	Seasonally adjusted						Not seasonally adjusted[1]						
	Monthly			Percent Change			Monthly				Percent change	Year to date	
	July 1990p	June 1990r	May 1990	June-July p	May-June r	Apr.-May	July 1990p	June 1990r	May 1990	July 1989	July90/89p	1990p	1989
All manufacturing industries	237,482	239,460	238,863	-0.8	+0.2	+2.0	216,169	254,972	240,432	207,794	+4.0	1,636,910	1,602,420
Manufacturing industries with unfilled orders	132,819	134,488	133,477	-1.2	+0.8	+2.0	118,556	143,758	133,074	113,617	+4.3	910,832	880,154
Durable goods industries	124,765	127,283	126,507	-2.0	+0.6	+3.7	108,945	137,966	128,441	104,423	+4.3	860,216	847,097
With unfilled orders	104,565	106,298	105,201	-1.6	+1.0	+2.8	92,138	114,984	105,330	88,258	+4.4	716,917	693,394
Stone, clay, and glass products	5,479	5,427	5,460	+1.0	-0.6	+2.0	5,158	5,864	5,626	5,034	+2.5	37,612	37,348
Primary metals	11,756	11,427	11,475	+2.9	-0.4	+1.5	10,732	12,053	11,727	11,040	-2.8	80,413	87,633
Blast furnaces, steel mills	4,758	4,654	4,693	+2.2	-0.8	+3.3	4,349	4,954	4,886	4,464	-2.6	32,951	35,933
Iron and steel foundries	890	855	831	+4.1	+2.9	+0.4	751	910	894	691	+8.7	5,751	6,092
Nonferrous and other primary metals	6,108	5,918	5,951	+3.2	-0.6	+0.3	5,632	6,189	5,947	5,885	-4.3	41,711	45,608
Fabricated metal products	14,369	14,273	14,547	+0.7	-1.9	+5.5	13,080	15,295	15,114	12,419	+5.3	98,943	93,132
Machinery, except electrical	21,092	22,104	22,084	-4.6	+0.1	+0.1	18,911	25,353	21,845	19,405	-2.5	154,477	153,289
Engines and turbines	1,178	1,357	1,322	-13.2	+2.6	+3.5	974	1,435	1,317	983	-0.9	9,078	9,471
Construction, mining and material handling equipment	2,528	2,956	3,004	-14.5	-1.6	+2.2	2,599	3,162	3,097	2,576	+0.9	21,101	19,202
Metalworking machinery	1,081	1,083	1,043	-0.2	+3.8	+0.4	905	1,180	1,023	854	+6.0	7,159	6,875
Office and computing machines	5,577	6,121	5,826	-8.9	+5.1	-1.1	4,361	7,951	5,144	4,547	-4.1	39,041	38,060
Electrical machinery	20,620	20,601	20,642	+0.1	-0.2	+2.2	18,319	22,076	20,150	17,369	+5.5	139,473	135,061
Electrical transmission and distribution equipment and industrial apparatus	2,536	2,636	2,540	-3.8	+3.8	+1.8	2,230	2,839	2,510	2,197	+1.5	17,653	17,495
Household appliances	1,626	1,634	1,637	-0.5	-0.2	-1.2	1,574	1,827	1,647	1,531	+2.8	11,591	11,315
Radio and TV	1,041	1,024	983	+1.7	+4.2	+5.2	839	1,147	812	824	+1.8	6,338	6,400
Communication equipment	6,952	6,673	6,846	+4.2	-2.5	-1.6	6,031	7,286	6,716	5,294	+13.9	46,212	42,944
Electronic components	5,003	5,057	5,082	-1.1	-0.5	+4.3	4,668	5,314	5,023	4,423	+5.5	34,801	33,522
Other electrical machinery	3,462	3,577	3,554	-3.2	+0.6	+8.3	2,977	3,663	3,442	3,100	-4.0	22,878	23,385
Transportation equipment	32,824	34,692	33,438	-5.4	+3.8	+8.5	25,307	37,252	35,057	22,072	+14.7	219,436	213,821
Motor vehicles and parts	20,172	21,353	21,134	-5.5	+1.0	+12.9	13,934	22,847	22,960	11,728	+18.8	135,083	136,433
Aircraft, missiles, and parts.	10,721	11,228	10,327	-4.5	+8.7	+2.3	9,555	12,241	10,093	8,337	+14.6	69,964	62,325
Shipbuilding and military tank vehicles	958	1,000	944	-4.2	+5.9	+1.3	901	1,019	923	885	+1.8	6,429	6,239
Instruments and related products	6,557	6,640	6,668	-1.3	-0.4	+1.8	6,100	7,229	6,667	5,918	+3.1	45,661	43,842
Scientific and engineering instruments	4,461	4,459	4,530	0.0	-1.6	+2.6	4,149	4,726	4,509	3,976	+4.4	30,836	29,130
All other durable goods	12,068	12,119	12,193	-0.4	-0.6	+2.0	11,338	12,844	12,255	11,166	+1.5	84,201	82,971
Nondurable goods industries	112,717	112,177	112,356	+0.5	-0.2	+0.1	107,224	117,006	111,991	103,371	+3.7	776,694	755,323
With unfilled orders	28,254	28,190	28,276	+0.2	-0.3	-0.9	26,418	28,774	27,744	25,359	+4.2	193,915	186,760
Food and kindred products	33,706	34,006	33,890	-0.9	+0.3	+1.7	32,462	35,270	34,008	30,693	+5.8	232,306	222,199
Dairy products	4,861	4,842	4,880	+0.4	-0.8	+1.3	4,885	5,096	4,967	4,251	+14.9	33,778	29,646
Beverages	4,165	4,235	4,258	-1.7	-0.5	+5.3	4,469	4,859	4,511	4,580	-2.4	29,926	30,063
All other foods	15,993	15,930	15,998	+0.4	-0.4	+1.5	14,458	16,118	15,564	13,603	+6.3	108,014	103,207
Tobacco products	2,326	1,918	2,213	+21.3	-13.3	-8.3	1,635	2,334	2,476	1,300	+25.8	14,007	12,883
Textile mill products	4,921	5,082	5,160	-3.2	-1.5	+1.1	4,235	5,522	5,129	4,531	-6.5	35,064	36,536
Broadwoven fabrics	2,882	2,878	2,903	+0.1	-0.9	-2.8	2,389	3,101	2,968	2,679	-10.8	20,341	22,260
Paper and allied products	11,129	10,885	11,031	+2.2	-1.3	+2.1	10,731	11,342	10,941	10,439	+2.8	76,619	76,570
Pulp, paper etc.	4,722	4,704	4,724	+0.4	-0.4	+3.6	4,600	4,793	4,680	4,716	-2.5	32,823	34,389
Paperboard containers	2,656	2,566	2,669	+3.5	-3.9	+1.8	2,526	2,707	2,725	2,528	-0.1	18,667	18,929
All other paper products	3,751	3,615	3,638	+3.8	-0.6	+0.5	3,605	3,842	3,536	3,195	+12.8	25,129	23,252
Chemicals and allied products	22,021	21,947	21,872	+0.3	+0.3	+0.2	20,602	23,071	22,002	20,213	+1.9	153,407	151,124
Industrial chemicals, except pigments	5,639	5,650	5,708	-0.2	-1.0	+0.1	5,532	5,921	5,812	5,847	-5.4	40,448	42,183
Drugs, soaps, and toiletries	7,374	7,153	7,316	+3.1	-2.2	+0.1	6,755	7,551	6,731	6,408	+5.4	49,328	45,928
Other chemical products	5,744	5,887	5,869	-2.4	+0.3	+2.4	5,348	6,099	5,982	5,242	+2.0	40,651	40,212
Petroleum and coal products	11,950	11,906	11,969	+0.4	-0.5	-2.3	12,385	12,469	12,101	11,905	+4.0	85,287	79,080
Rubber and plastics products	7,872	7,493	7,418	+5.1	+1.0	-0.7	7,162	8,063	7,630	7,194	-0.4	53,290	57,106
All other nondurable goods	18,792	18,940	18,803	-0.8	+0.7	-1.2	18,012	18,935	17,704	17,096	+5.4	126,714	119,825
Market categories:													
Home goods and apparel	14,412	14,699	14,743	-2.0	-0.3	+4.5	13,295	15,512	13,834	13,422	-0.9	98,556	99,995
Consumer staples	48,624	48,239	48,561	+0.8	-0.7	+0.5	45,813	50,383	48,383	42,904	+6.8	330,677	311,370
Equipment and defense prod. except automotive	39,977	40,893	39,994	-2.2	+2.2	0.0	36,051	45,460	39,416	34,500	+4.5	277,796	261,831
Automotive equipment	22,396	23,432	23,459	-4.4	-0.1	+11.7	16,026	25,089	25,369	13,838	+15.8	150,963	153,135
Construction materials, supplies and intermediate products	17,695	17,624	17,864	+0.4	-1.3	+2.8	17,215	19,050	18,241	16,861	+2.1	123,134	121,773
Other materials, supplies, and intermediate products	94,378	94,573	94,242	-0.2	+0.4	+0.8	87,769	99,478	95,189	86,269	+1.7	655,784	654,316
Supplementary series:[2]													
Capital goods industries	43,920	45,721	44,474	-3.9	+2.8	+0.6	39,346	50,721	43,423	38,148	+3.1	305,101	292,977
Nondefense	34,953	36,623	35,297	-4.6	+3.8	0.0	31,391	41,010	34,476	30,738	+2.1	245,884	234,574
Excluding aircraft and parts	29,265	30,712	30,278	-4.7	+1.4	+0.3	26,260	34,548	29,509	26,498	-0.9	209,505	204,256
Defense	8,967	9,098	9,177	-1.4	-0.9	+2.9	7,955	9,711	8,947	7,410	+7.4	59,217	58,403
Household durable goods industries	6,855	6,921	6,918	-1.0	0.0	+3.2	5,852	7,384	6,705	5,754	+1.7	46,925	46,594

See footnotes at end of table 2.

Table 2. VALUE OF MANUFACTURERS' NEW ORDERS FOR INDUSTRY GROUPS, MARKET CATEGORIES AND SUPPLEMENTARY SERIES
(Millions of dollars)

Industry	Seasonally adjusted						Not seasonally adjusted[1]						
	Monthly			Percent Change			Monthly				Percent change	Year to date	
	July 1990[p]	June 1990[r]	May 1990	June-July[p]	May-June[r]	Apr.-May	July 1990[p]	June 1990[r]	May 1990	July 1989	July90/89[p]	1990[p]	1989
All manufacturing industries	240,349	236,578	241,102	+1.6	-1.9	+2.2	218,544	250,095	239,906	213,360	+2.4	1,647,328	1,635,302
Manufacturing industries with unfilled orders	135,686	131,606	135,716	+3.1	-3.0	+2.3	120,931	138,881	132,548	119,183	+1.5	921,250	913,036
Durable goods industries	128,223	124,692	128,737	+2.8	-3.1	+4.1	111,661	133,288	128,108	109,964	+1.5	870,467	878,894
With unfilled orders	108,023	103,707	107,431	+4.2	-3.5	+3.3	94,854	110,306	104,997	93,799	+1.1	727,168	725,191
Stone, clay, and glass products	5,550	5,457	5,363	+1.7	+1.8	-3.1	5,221	5,891	5,563	4,887	+6.8	37,616	37,125
Primary metals	11,904	11,499	11,886	+3.5	-3.3	+2.5	10,615	11,407	11,887	10,213	+3.9	82,000	87,329
Blast furnaces, steel mills	4,900	4,792	5,022	+2.3	-4.6	+7.9	4,414	4,543	5,018	4,019	+9.8	33,795	34,666
Iron and steel foundries	881	883	890	-0.2	-0.8	+4.3	746	927	892	675	+10.5	6,119	6,309
Nonferrous and other primary metals	6,123	5,824	5,974	+5.1	-2.5	-1.8	5,455	5,937	5,977	5,519	-1.2	42,086	46,354
Fabricated metal products	14,681	14,170	14,147	+3.6	+0.2	+2.3	13,633	15,114	14,658	11,966	+13.9	99,128	92,132
Machinery, except electrical	22,269	21,778	22,275	+2.3	-2.2	+3.6	20,003	24,510	21,869	18,678	+7.1	154,745	155,803
Engines and turbines	1,802	1,358	1,452	+32.7	-6.5	+22.1	1,706	1,458	1,404	1,049	+62.6	9,964	10,991
Construction, mining and material handling equipment	2,623	3,175	3,001	-17.4	+5.8	+1.0	2,687	3,292	2,838	2,640	+1.8	21,213	20,072
Metalworking machinery	946	1,060	968	-10.8	+9.5	+14.6	828	1,224	907	870	-4.8	6,828	6,932
Office and computing machines	6,168	5,730	5,911	+7.6	-3.1	-0.8	4,982	7,307	5,459	4,389	+13.5	39,629	37,267
Electrical machinery	20,308	20,004	20,737	+1.5	-3.5	+1.4	17,763	21,861	19,614	17,704	+0.3	137,930	133,657
Electrical transmission and distribution equipment and industrial apparatus	2,618	2,399	2,454	+9.1	-2.2	-6.0	2,345	2,523	2,414	2,173	+7.9	17,590	17,844
Communication equipment	6,859	6,749	6,790	+1.6	-0.6	-3.2	5,462	7,834	5,997	5,644	-3.2	43,948	41,450
Electronic components	4,640	4,557	5,406	+1.8	-15.7	+10.5	4,395	4,800	5,332	4,392	+0.1	35,056	33,159
Other electrical machinery	3,575	3,548	3,561	+0.8	-0.4	+7.7	3,135	3,663	3,469	3,067	+2.2	23,236	23,429
Transportation equipment	34,911	33,286	35,516	+4.9	-6.3	+10.2	26,816	34,824	35,574	29,458	-9.0	228,125	244,409
Aircraft, missiles, and parts.	13,477	10,755	12,394	+25.3	-13.2	+11.6	11,355	10,754	10,628	15,920	-28.7	79,796	92,549
Shipbuilding and military tank vehicles	592	562	440	+5.3	+27.7	-45.1	768	678	646	733	+4.8	5,832	6,494
Instruments and related products	6,417	6,343	6,577	+1.2	-3.6	+1.6	5,989	7,018	6,550	5,694	+5.2	45,336	43,445
Scientific and engineering instruments	4,361	4,252	4,461	+2.6	-4.7	+2.9	4,080	4,542	4,415	3,833	+6.4	30,541	28,770
All other durable goods	12,183	12,155	12,236	+0.2	-0.7	+1.9	11,621	12,663	12,393	11,364	+2.3	85,587	84,994
Nondurable goods industries	112,126	111,886	112,365	+0.2	-0.4	0.0	106,883	116,807	111,798	103,396	+3.4	776,861	756,408
With unfilled orders	27,663	27,899	28,285	-0.8	-1.4	-1.5	26,077	28,575	27,551	25,384	+2.7	194,082	187,845
Market categories:													
Home goods and apparel	14,370	14,853	14,757	-3.3	+0.7	+4.2	13,511	15,493	13,912	13,733	-1.6	99,878	102,401
Consumer staples	48,619	48,330	48,501	+0.6	-0.4	+0.5	45,874	50,462	48,254	42,903	+6.9	330,568	311,442
Equipment and defense prod. except automotive	42,901	39,558	40,586	+8.5	-2.5	+3.7	37,965	43,114	38,453	37,109	+2.3	281,279	284,505
Automotive equipment	22,226	23,060	23,819	-3.6	-3.2	+12.2	16,001	24,612	25,473	13,884	+15.2	150,578	152,424
Construction materials, supplies and intermediate products	17,801	17,517	17,674	+1.6	-0.9	+0.8	17,268	18,909	18,066	16,464	+4.9	122,755	121,081
Other materials, supplies, and intermediate products	94,432	93,260	95,765	+1.3	-2.6	0.0	87,925	97,505	95,748	89,267	-1.5	662,270	663,449
Supplementary series:													
Capital goods industries	47,440	44,071	46,009	+7.6	-4.2	+2.3	41,698	48,043	42,773	44,921	-7.2	312,106	325,104
Nondefense	39,794	36,192	35,928	+10.0	+0.7	-1.8	36,258	40,572	34,815	38,161	-5.0	260,261	270,298
Excluding aircraft and parts	30,408	29,843	30,184	+1.9	-1.1	+0.1	27,429	33,672	29,123	25,955	+5.7	209,519	209,281
Defense	7,646	7,879	10,081	-3.0	-21.8	+19.9	5,440	7,471	7,958	6,760	-19.5	51,845	54,806
Household durable goods industries	6,907	7,092	6,853	-2.6	+3.5	+2.0	6,052	7,455	6,614	5,999	+0.9	48,190	48,393

[p] Preliminary. [r] Revised.

[1] Shipments and new orders are the totals for the period and are adjusted for trading-day and calendar-month variations; unfilled orders and inventories are as of the end of the period and are not adjusted for trading-day or calendar-month variations.

[2] The supplementary series are regroupings of the separate industry categories:

Nondefense capital goods include machinery, except electrical (excluding farm machinery and equipment and machine shops); electrical machinery (excluding household appliances, radio and TV, and electronic components); railroad equipment; and the nondefense portions of ordnance; communication equipment; aircraft, missiles and parts; tanks, and shipbuilding, converting and repairing.

Defense capital goods include ordnance; communication equipment; aircraft, missiles and parts; tanks, and shipbuilding, converting and repairing.

Household durable goods industries include household furniture; kitchen articles and pottery; cutlery, handtools, and hardware; household appliances; radio and TV; ophthalmic goods; watches and clocks; and miscellaneous personal goods.

Table 3. VALUE OF MANUFACTURERS' UNFILLED ORDERS FOR INDUSTRY GROUPS, MARKET CATEGORIES AND SUPPLEMENTARY SERIES
(Millions of dollars)

Industry	Seasonally adjusted						Not seasonally adjusted[1]				
	Monthly			Percent Change			Monthly				Percent change
	July 1990p	June 1990r	May 1990	June-Julyp	May-Jun er	Apr.-May	July 1990p	June 1990r	May 1990	July 1989	July90/89p
All manufacturing industries	520,417	517,550	520,432	+0.6	-0.6	+0.4	520,360	517,985	522,862	496,816	+4.7
Durable goods industries	501,405	497,947	500,538	+0.7	-0.5	+0.4	500,875	498,159	502,837	475,754	+5.3
Stone, clay, and glass products	5,103	5,032	5,002	+1.4	+0.6	-1.9	5,151	5,088	5,061	5,389	-4.4
Primary metals	23,678	23,530	23,458	+0.6	+0.3	+1.8	23,656	23,773	24,419	24,840	-4.8
Blast furnaces, steel mills	9,551	9,409	9,271	+1.5	+1.5	+3.7	9,398	9,333	9,744	9,458	-.6
Iron and steel foundries	2,634	2,643	2,615	-0.3	+1.1	+2.3	2,639	2,644	2,627	2,397	+10.1
Nonferrous and other primary metals	11,493	11,478	11,572	+0.1	-0.8	+0.2	11,619	11,796	12,048	12,985	-10.5
Fabricated metal products	25,342	25,030	25,133	+1.2	-0.4	-1.6	25,597	25,044	25,225	27,192	-5.9
Machinery, except electrical	61,337	60,160	60,486	+2.0	-0.5	+0.3	61,121	60,029	60,872	61,793	-1.1
Engines and turbines	7,727	7,103	7,102	+8.8	0.0	+1.9	7,585	6,853	6,830	6,122	+23.9
Construction, mining and material handling equipment	9,290	9,195	8,976	+1.0	+2.4	0.0	9,244	9,156	9,026	9,393	-1.6
Metalworking machinery	4,143	4,278	4,301	-3.2	-0.5	-1.7	4,201	4,278	4,234	4,639	-9.4
Office and computing machines	12,805	12,214	12,605	+4.8	-3.1	+0.7	12,895	12,274	12,918	12,277	+5.0
Electrical machinery	91,906	92,218	92,815	-0.3	-0.6	+0.1	91,948	92,504	92,719	90,986	+1.1
Electrical transmission and distribution equipment and industrial apparatus	6,765	6,683	6,920	+1.2	-3.4	-1.2	6,748	6,633	6,949	7,197	-6.2
Communication equipment	65,141	65,234	65,158	-0.1	+0.1	-0.1	64,750	65,319	64,771	64,042	+1.1
Electronic components	13,726	14,089	14,589	-2.6	-3.4	+2.3	14,124	14,397	14,911	14,042	+.6
Other electrical machinery	5,267	5,154	5,183	+2.2	-0.6	+0.1	5,320	5,162	5,162	4,708	+13.0
Transportation equipment	272,685	270,598	272,004	+0.8	-0.5	+0.8	271,455	269,946	272,374	243,055	+11.7
Aircraft, missiles, and parts.	236,387	233,631	234,104	+1.2	-0.2	+0.9	234,879	233,079	234,566	205,356	+14.4
Shipbuilding and military tank vehicles	26,498	26,864	27,302	-1.4	-1.6	-1.8	26,776	26,909	27,250	26,492	+1.1
Instruments and related products	14,147	14,287	14,584	-1.0	-2.0	-0.6	14,195	14,306	14,517	14,303	-.8
Scientific and engineering instruments	13,298	13,398	13,605	-0.7	-1.5	-0.5	13,285	13,354	13,538	13,287	.0
All other durable goods	7,207	7,092	7,056	+1.6	+0.5	+0.6	7,752	7,469	7,650	8,196	-5.4
Nondurable goods industries	19,012	19,603	19,894	-3.0	-1.5	0.0	19,485	19,826	20,025	21,062	-7.5
Market categories:											
Home goods and apparel	7,446	7,488	7,334	-0.6	+2.1	+0.2	8,098	7,882	7,901	8,981	-9.8
Consumer staples	753	758	667	-0.7	+13.6	-8.3	770	709	630	916	-15.9
Equipment and defense prod. except automotive	334,306	331,382	332,717	+0.9	-0.4	+0.2	332,506	330,592	332,938	309,371	+7.5
Automotive equipment	7,297	7,467	7,839	-2.3	-4.7	+4.8	7,297	7,322	7,799	8,152	-10.5
Construction materials, supplies and intermediate products	13,260	13,154	13,261	+0.8	-0.8	-1.4	13,380	13,327	13,468	14,449	-7.4
Other materials, supplies, and intermediate products	157,355	157,301	158,614	0.0	-0.8	+1.0	158,309	158,153	160,126	154,947	+2.2
Supplementary series:											
Capital goods industries	406,655	403,135	404,785	+0.9	-0.4	+0.4	404,816	402,464	405,142	376,370	+7.6
Nondefense	244,663	239,822	240,253	+2.0	-0.2	+0.3	244,625	239,758	240,196	214,497	+14.0
Excluding aircraft and parts	91,472	90,329	91,198	+1.3	-1.0	-0.1	91,434	90,265	91,141	91,765	-.4
Defense	161,992	163,313	164,532	-0.8	-0.7	+0.6	160,191	162,706	164,946	161,873	-1.0
Household durable goods industries	5,462	5,410	5,239	+1.0	+3.3	-1.2	5,941	5,741	5,670	6,528	-9.0

See footnotes at end of table 2.

Table 4. VALUE OF MANUFACTURERS' INVENTORIES FOR INDUSTRY GROUPS, MARKET CATEGORIES AND SUPPLEMENTARY SERIES
(Millions of dollars)

Industry	Seasonally adjusted						Not seasonally adjusted[1]				
	Monthly			Percent Change			Monthly				Percent change
	July 1990p	June 1990r	May 1990	June-Julyp	May-Jun er	Apr.-May	July 1990p	June 1990r	May 1990	July 1989	July90/89p
All manufacturing industries	373,269	370,693	372,384	+0.7	-0.5	0.0	374,616	370,560	375,885	371,440	+.9
Manufacturing industries with unfilled orders	259,942	258,255	259,505	+0.7	-0.5	-0.1	262,190	259,423	262,902	259,828	+.9
Durable goods industries	246,574	244,902	246,530	+0.7	-0.7	0.0	247,688	245,153	249,419	246,576	+.5
With unfilled orders	227,801	226,532	227,912	+0.6	-0.6	-0.1	229,440	227,173	230,752	228,000	+.6
Stone, clay, and glass products	7,755	7,748	7,668	+0.1	+1.0	-1.1	7,857	7,827	7,903	7,930	-.9
Primary metals	20,812	20,598	20,302	+1.0	+1.5	-0.1	20,885	20,548	20,513	21,396	-2.4
Blast furnaces, steel mills	10,473	10,381	10,352	+0.9	+0.3	-1.2	10,567	10,303	10,372	10,727	-1.5
Iron and steel foundries	1,338	1,364	1,330	-1.9	+2.6	+1.8	1,317	1,368	1,369	1,398	-5.8
Nonferrous and other primary metals	9,001	8,853	8,620	+1.7	+2.7	+0.9	9,001	8,877	8,772	9,271	-2.9
Fabricated metal products	23,514	23,346	23,511	+0.7	-0.7	-0.6	23,515	23,509	23,839	24,079	-2.3
Machinery, except electrical	47,689	47,487	48,094	+0.4	-1.3	+0.3	47,829	47,445	48,585	48,349	-1.1
Engines and turbines	3,052	3,034	3,070	+0.6	-1.2	+0.7	3,155	3,071	3,097	3,269	-3.5
Construction, mining and material handling equipment	7,574	7,625	7,614	-0.7	+0.1	+0.1	7,476	7,617	7,672	7,629	-2.0
Metalworking machinery	3,126	3,146	3,173	-0.6	-0.9	-1.4	3,195	3,129	3,215	3,291	-2.9
Office and computing machines	12,439	12,146	12,758	+2.4	-4.8	+1.0	12,613	12,083	12,868	12,626	-.1
Electrical machinery	39,951	39,930	40,228	+0.1	-0.7	-0.5	40,390	40,342	40,917	42,112	-4.1
Electrical transmission and distribution equipment and industrial apparatus	5,062	5,026	5,017	+0.7	+0.2	-1.2	5,052	5,036	5,111	5,088	-.7
Household appliances	2,729	2,845	2,929	-4.1	-2.9	-0.2	2,713	2,944	3,162	3,009	-9.8
Radio and TV	1,777	1,810	1,797	-1.8	+0.7	+0.3	1,908	1,883	1,870	1,863	+2.4
Communication equipment	14,991	15,109	15,289	-0.8	-1.2	-1.1	15,175	15,140	15,379	16,801	-9.7
Electronic components	9,017	8,842	8,852	+2.0	-0.1	+0.7	9,071	8,870	8,891	8,869	+2.3
Other electrical machinery	6,375	6,298	6,344	+1.2	-0.7	-0.3	6,471	6,469	6,504	6,482	-.2
Transportation equipment	74,438	73,309	74,031	+1.5	-1.0	+0.4	74,559	72,909	74,567	69,944	+6.6
Motor vehicles and parts	12,432	11,842	12,045	+5.0	-1.7	+1.4	11,921	11,338	11,878	12,427	-4.1
Aircraft, missiles, and parts.	57,213	56,798	57,146	+0.7	-0.6	+0.2	57,843	56,908	57,782	52,823	+9.5
Shipbuilding and military tank vehicles	2,581	2,547	2,630	+1.3	-3.2	+1.2	2,635	2,510	2,686	2,318	+13.7
Instruments and related products	13,697	13,692	13,877	0.0	-1.3	-0.9	13,739	13,748	14,152	14,200	-3.2
Scientific and engineering instruments	10,227	10,187	10,237	+0.4	-0.5	-1.1	10,207	10,201	10,414	10,319	-1.1
All other durable goods	18,718	18,792	18,819	-0.4	-0.1	+0.1	18,914	18,825	18,943	18,566	+1.9
Nondurable goods industries	126,695	125,791	125,854	+0.7	-0.1	+0.1	126,928	125,407	126,466	124,864	+1.7
With unfilled orders	32,141	31,723	31,593	+1.3	+0.4	0.0	32,750	32,250	32,150	31,828	+2.9
Food and kindred products	27,057	26,877	26,835	+0.7	+0.2	+0.6	26,364	25,614	25,876	25,643	+2.8
Dairy products	2,886	2,824	2,692	+2.2	+4.9	+1.5	2,958	2,845	2,769	2,554	+15.8
Beverages	4,307	4,250	4,235	+1.3	+0.4	-0.7	4,234	4,207	4,286	4,242	-.2
All other foods	15,345	15,405	15,602	-0.4	-1.3	+0.3	14,839	14,240	14,481	14,852	-.1
Tobacco products	5,709	5,712	5,633	-0.1	+1.4	-1.6	5,321	5,390	5,503	5,226	+1.8
Textile mill products	8,288	8,294	8,417	-0.1	-1.5	0.0	8,497	8,449	8,690	8,141	+4.4
Broadwoven fabrics	4,620	4,614	4,709	+0.1	-2.0	-0.3	4,708	4,673	4,823	4,605	+2.2
Paper and allied products	12,851	12,773	12,696	+0.6	+0.6	+0.4	12,871	12,898	12,866	12,476	+3.2
Pulp, paper etc.	5,180	5,101	5,040	+1.5	+1.2	+0.8	5,149	5,104	5,102	4,773	+7.9
Paperboard containers	3,196	3,210	3,193	-0.4	+0.5	-1.4	3,218	3,205	3,234	3,218	.0
All other paper products	4,475	4,462	4,463	+0.3	0.0	+1.2	4,504	4,589	4,530	4,485	+.4
Chemicals and allied products	29,242	29,003	28,973	+0.8	+0.1	+0.3	29,372	28,933	29,154	29,282	+.3
Industrial chemicals, except pigments	7,556	7,468	7,502	+1.2	-0.5	-0.8	7,616	7,462	7,535	8,149	-6.5
Drugs, soaps, and toiletries	10,054	9,968	9,971	+0.9	0.0	+0.8	10,225	10,118	10,152	9,857	+3.7
Other chemical products	7,346	7,292	7,225	+0.7	+0.9	+0.4	7,397	7,252	7,254	7,410	-.2
Petroleum and coal products	10,622	10,514	10,784	+1.0	-2.5	-1.5	10,768	10,631	10,964	10,591	+1.7
Rubber and plastics products	10,398	10,363	10,343	+0.3	+0.2	+1.3	10,370	10,372	10,534	10,650	-2.6
All other nondurable goods	22,528	22,255	22,173	+1.2	+0.4	0.0	23,365	23,120	22,879	22,855	+2.2
Market categories:											
Home goods and apparel	27,229	27,479	27,644	-0.9	-0.6	0.0	28,088	28,483	28,775	27,684	+1.5
Consumer staples	46,969	46,611	46,476	+0.8	+0.3	+0.2	46,341	45,348	45,668	44,895	+3.2
Equipment and defense prod. except automotive	113,555	113,092	114,393	+0.4	-1.1	+0.2	114,240	113,173	115,653	112,379	+1.7
Automotive equipment	15,492	14,845	15,110	+4.4	-1.8	+0.9	14,909	14,395	15,005	15,543	-4.1
Construction materials, supplies and intermediate products	25,625	25,670	25,596	-0.2	+0.3	-0.7	25,761	25,816	26,046	26,088	-1.3
Other materials, supplies, and intermediate products	144,399	142,996	143,165	+1.0	-0.1	-0.1	145,277	143,345	144,738	144,851	+.3
Supplementary series:[2]											
Capital goods industries	131,630	130,902	132,299	+0.6	-1.1	0.0	132,872	131,303	133,898	129,636	+2.5
Nondefense	93,359	92,434	93,573	+1.0	-1.2	+0.2	94,022	92,635	94,680	91,864	+2.3
Excluding aircraft and parts	65,018	64,556	65,495	+0.7	-1.4	-0.1	65,509	64,835	66,394	66,830	-2.0
Defense	38,271	38,468	38,726	-0.5	-0.7	-0.3	38,850	38,668	39,218	37,772	+2.9
Household durable goods industries	13,293	13,467	13,568	-1.3	-0.7	-0.2	13,662	13,791	14,018	13,621	+.3

See footnotes at end of table 2.

Table 5. VALUE OF MANUFACTURERS' INVENTORIES, BY STAGE OF FABRICATION, BY INDUSTRY GROUP
(Millions of dollars)

Industry	Seasonally adjusted						Not seasonally adjusted				
	Monthly			Percent Change			Monthly				Percent change
	July 1990[p]	June 1990[r]	May 1990	June-July[p]	May-June[r]	Apr.-May	July 1990[p]	June 1990[r]	May 1990	July 1989	July90/89[p]
MATERIALS AND SUPPLIES											
All manufacturing industries	113,937	113,046	113,552	+0.8	-0.4	0.0	114,069	112,489	113,254	114,529	-.4
Durable goods industries	66,937	66,424	66,814	+0.8	-0.6	+0.2	67,234	66,096	66,509	67,818	-.9
Stone, clay, and glass products	2,559	2,571	2,572	-0.5	0.0	+1.2	2,597	2,574	2,595	2,575	+.9
Primary metals	6,504	6,390	6,396	+1.8	-0.1	+0.5	6,493	6,271	6,214	6,519	-.4
Fabricated metal products	8,269	8,205	8,330	+0.8	-1.5	-0.8	8,348	8,206	8,311	8,909	-6.3
Machinery, except electrical	12,191	12,294	12,362	-0.8	-0.6	+0.1	12,257	12,291	12,309	13,127	-6.6
Electrical machinery	11,004	10,966	11,090	+0.3	-1.1	-0.1	11,217	10,944	11,162	11,469	-2.2
Transportation equipment	14,076	13,599	13,628	+3.5	-0.2	+1.1	13,913	13,535	13,596	13,240	+5.1
Instruments and related products	4,885	4,937	4,988	-1.1	-1.0	-1.0	4,924	4,965	5,041	4,725	+4.2
Lumber, furniture and miscellaneous durable goods	7,449	7,462	7,448	-0.2	+0.2	+0.5	7,485	7,310	7,281	7,254	+3.2
Nondurable goods industries	47,000	46,622	46,738	+0.8	-0.2	-0.3	46,835	46,393	46,745	46,711	+.3
Food and kindred products	8,907	8,792	8,775	+1.3	+0.2	+0.5	8,661	8,557	8,720	8,439	+2.6
Tobacco products	4,321	4,246	4,298	+1.8	-1.2	-1.7	4,007	4,045	4,241	3,858	+3.9
Textile mill products	2,393	2,428	2,424	-1.4	+0.2	-2.3	2,474	2,469	2,512	2,483	-.4
Paper and allied products	6,944	6,939	6,900	+0.1	+0.6	+0.6	6,926	6,970	6,882	6,697	+3.4
Chemicals and allied products	10,103	10,036	10,086	+0.7	-0.5	+0.5	10,219	10,078	10,092	10,179	+.4
Petroleum and coal products	2,745	2,631	2,650	+4.3	-0.7	-3.6	2,704	2,680	2,689	2,363	+14.4
Rubber and plastics products	3,753	3,745	3,815	+0.2	-1.8	-0.2	3,773	3,713	3,815	4,098	-7.9
Apparel, printing and publishing and leather goods	7,834	7,805	7,790	+0.4	+0.2	-0.5	8,071	7,881	7,794	8,594	-6.1
WORK IN PROCESS											
All manufacturing industries	137,755	136,914	138,387	+0.6	-1.1	-0.1	138,693	136,700	139,938	137,793	+.7
Durable goods industries	117,050	116,326	117,482	+0.6	-1.0	-0.3	117,808	116,252	118,882	116,487	+1.1
Stone, clay, and glass products	989	1,012	1,024	-2.3	-1.2	0.0	999	1,034	1,046	1,130	-11.6
Primary metals	8,309	8,234	8,000	+0.9	+2.9	-1.0	8,361	8,212	8,148	8,930	-6.4
Fabricated metal products	8,221	8,179	8,214	+0.5	-0.4	-0.4	8,118	8,138	8,368	8,238	-1.5
Machinery, except electrical	19,784	19,516	20,096	+1.4	-2.9	0.0	19,852	19,590	20,411	20,007	-.8
Electrical machinery	18,588	18,625	18,849	-0.2	-1.2	-1.1	18,800	18,718	19,029	20,517	-8.4
Transportation equipment	52,124	51,855	52,409	+0.5	-1.1	+0.1	52,610	51,611	52,812	48,871	+7.7
Instruments and related products	5,075	5,040	5,036	+0.7	+0.1	-0.9	5,090	5,062	5,170	5,383	-5.4
Lumber, furniture and miscellaneous durable goods	3,960	3,865	3,854	+2.5	+0.3	+0.6	3,978	3,887	3,898	3,761	+5.8
Nondurable goods industries	20,705	20,588	20,905	+0.6	-1.5	+0.7	20,885	20,448	21,056	20,956	-.3
Food and kindred products	2,716	2,744	2,777	-1.0	-1.2	+0.6	2,679	2,679	2,687	2,635	+1.7
Tobacco products	278	262	256	+6.1	+2.3	+2.0	206	199	215	207	-.5
Textile mill products	2,527	2,520	2,600	+0.3	-3.1	+2.2	2,565	2,532	2,624	2,503	+2.5
Paper and allied products	1,346	1,361	1,342	-1.1	+1.4	-1.6	1,391	1,377	1,346	1,432	-2.9
Chemicals and allied products	4,860	4,863	4,872	-0.1	-0.2	-0.5	4,925	4,834	4,968	4,722	+4.3
Petroleum and coal products	2,926	2,900	3,031	+0.9	-4.3	+5.0	2,984	2,928	3,116	2,991	-.2
Rubber and plastics products	1,398	1,378	1,398	+1.5	-1.4	+2.0	1,380	1,333	1,388	1,453	-5.0
Apparel, printing and publishing and leather goods	4,654	4,560	4,629	+2.1	-1.5	-1.2	4,755	4,566	4,712	5,013	-5.1
FINISHED GOODS											
All manufacturing industries	121,577	120,733	120,445	+0.7	+0.2	+0.2	121,854	121,371	122,693	119,118	+2.3
Durable goods industries	62,587	62,152	62,234	+0.7	-0.1	+0.2	62,646	62,805	64,028	61,921	+1.2
Stone, clay, and glass products	4,207	4,165	4,072	+1.0	+2.3	-2.7	4,261	4,219	4,262	4,225	+.9
Primary metals	5,999	5,974	5,906	+0.4	+1.2	+0.3	6,031	6,065	6,151	5,947	+1.4
Fabricated metal products	7,024	6,962	6,967	+0.9	-0.1	-0.6	7,049	7,165	7,160	6,932	+1.7
Machinery, except electrical	15,714	15,677	15,636	+0.2	+0.3	+0.9	15,720	15,564	15,865	15,215	+3.3
Electrical machinery	10,359	10,339	10,289	+0.2	+0.5	+0.4	10,373	10,680	10,726	10,126	+2.4
Transportation equipment	8,238	7,855	7,994	+4.9	-1.7	+1.8	8,036	7,763	8,159	7,833	+2.6
Instruments and related products	3,737	3,715	3,853	+0.6	-3.6	-0.7	3,725	3,721	3,941	4,092	-9.0
Lumber, furniture and miscellaneous durable goods	7,309	7,465	7,517	-2.1	-0.7	-0.6	7,451	7,628	7,764	7,551	-1.3
Nondurable goods industries	58,990	58,581	58,211	+0.7	+0.6	+0.3	59,208	58,566	58,665	57,197	+3.5
Food and kindred products	15,434	15,341	15,283	+0.6	+0.4	+0.6	15,024	14,378	14,469	14,569	+3.1
Tobacco products	1,110	1,204	1,079	-7.8	+11.6	-2.1	1,108	1,146	1,047	1,161	-4.6
Textile mill products	3,368	3,346	3,393	+0.7	-1.4	0.0	3,458	3,448	3,554	3,155	+9.6
Paper and allied products	4,561	4,473	4,454	+2.0	+0.4	+0.5	4,554	4,551	4,638	4,347	+4.8
Chemicals and allied products	14,279	14,104	14,015	+1.2	+0.6	+0.4	14,228	14,021	14,094	14,381	-1.1
Petroleum and coal products	4,951	4,983	5,103	-0.6	-2.4	-3.9	5,080	5,023	5,159	5,237	-3.0
Rubber and plastics products	5,247	5,240	5,130	+0.1	+2.1	+2.3	5,217	5,326	5,331	5,099	+2.3
Apparel, printing and publishing and leather goods	10,040	9,890	9,754	+1.5	+1.4	+1.0	10,539	10,673	10,373	9,248	+14.0

[p]Preliminary. [r]Revised.

Table 6. RATIO OF MANUFACTURES' INVENTORIES TO SHIPMENTS AND UNFILLED ORDERS TO SHIPMENTS, BY INDUSTRY GROUP
(Based on seasonally adjusted data)

Industry	Inventory / Shipments ratio				Unfilled Orders / Shipments ratio[1]			
	July 1990[p]	June 1990[r]	May 1990	Apr. 1990	July 1990[p]	June 1990[r]	May 1990	Apr. 1990
All manufacturing industries	1.57	1.55	1.56	1.59	3.92	3.85	3.90	3.96
Durable goods industries	1.98	1.92	1.95	2.02	4.80	4.68	4.76	4.87
Stone, clay, and glass products	1.42	1.43	1.40	1.45	1.02	1.02	1.01	1.04
Primary metals	1.77	1.80	1.77	1.80	2.01	2.06	2.04	2.04
Fabricated metal products	1.64	1.64	1.62	1.72	1.93	1.92	1.90	2.04
Machinery, except electrical	2.26	2.15	2.18	2.17	3.11	2.90	2.92	2.91
Electrical machinery	1.94	1.94	1.95	2.00	4.46	4.48	4.50	4.59
Transportation equipment	2.27	2.11	2.21	2.39	12.72	11.98	12.84	13.44
Instruments and related products	2.09	2.06	2.08	2.14	2.16	2.15	2.19	2.24
Nondurable goods industries	1.12	1.12	1.12	1.12	0.67	0.70	0.70	0.70
Food and kindred products	0.80	0.79	0.79	0.80	(X)	(X)	(X)	(X)
Tobacco products	2.45	2.98	2.55	2.37	(X)	(X)	(X)	(X)
Textile mill products	1.68	1.63	1.63	1.65	(NA)	(NA)	(NA)	(NA)
Paper and allied products	1.15	1.17	1.15	1.17	(NA)	(NA)	(NA)	(NA)
Chemicals and allied products	1.33	1.32	1.32	1.32	(X)	(X)	(X)	(X)
Petroleum and coal products	0.89	0.88	0.90	0.89	(X)	(X)	(X)	(X)
Rubber and plastics products	1.32	1.38	1.39	1.37	(X)	(X)	(X)	(X)

[p]Preliminary. [r] Revised. (X) Not applicable. (NA) Not available.

[1]Excludes the following industries with no unfilled orders: Wood and lumber products; glass containers; metal cans, barrels and drums; farm machinery and equipment; motor vehicle assembly operations; other transportation equipment; foods and related products; tobacco; apparel and related products; building paper; die-cut paper and board; chemicals; petroleum and coal products; and rubber and plastics products.

Table 7. AVERAGE REVISIONS TO PREVIOUSLY PUBLISHED MONTHLY PERCENT CHANGES
(Based on seasonally adjusted data)

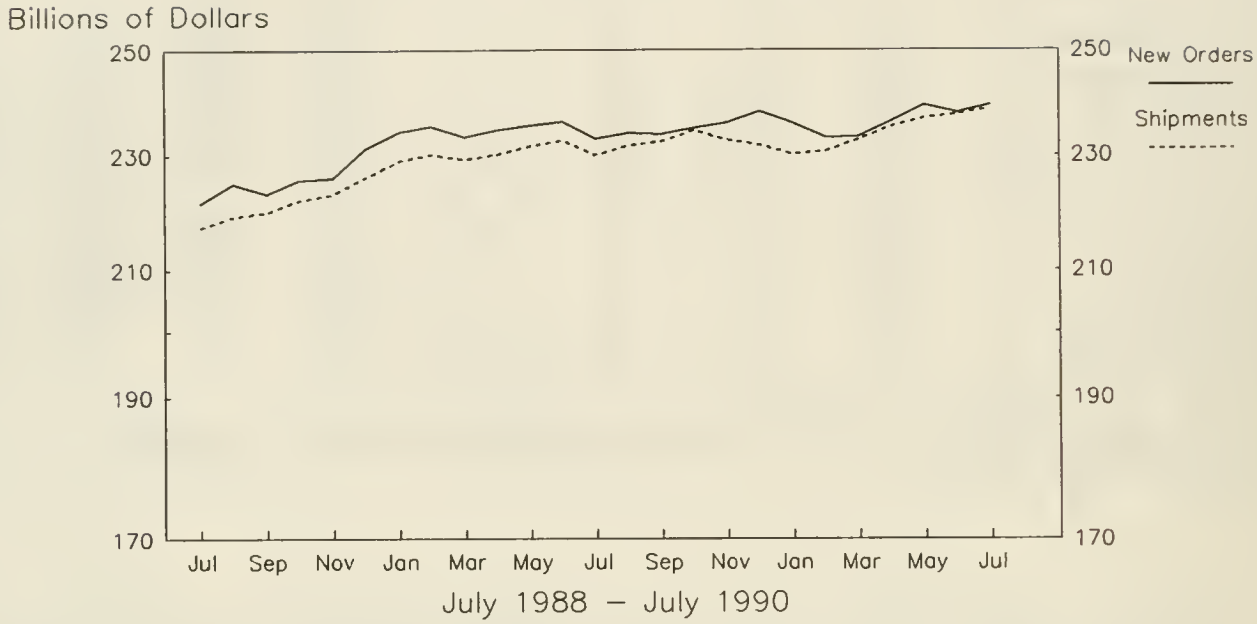
Industry	Shipments			New orders			Unfilled orders			Inventories		
	July 1989	July[1] 1985-1989	July 1989-June 1990	July 1989	July[1] 1985-1989	July 1989-June 1990	July 1989	July[1] 1985-1989	July 1989-June 1990	July 1989	July[1] 1985-1989	July 1989-June 1990
All manufacturing industries	0.3	0.2	0.2	0.1	0.4	0.3	0.0	0.1	0.1	0.1	0.1	0.1
Durable goods industries	0.4	0.2	0.1	0.0	0.3	0.4	0.1	0.1	0.1	0.1	0.1	0.1
Stone, clay, and glass products	0.1	0.3	0.6	1.3	0.5	0.7	1.3	0.4	0.5	0.0	0.2	0.2
Primary metals	0.4	0.2	0.3	0.9	0.5	0.6	0.3	0.2	0.2	0.0	0.2	0.1
Fabricated metal products	0.0	0.7	0.3	0.3	0.8	0.5	0.2	0.3	0.3	0.3	0.2	0.1
Machinery, except electrical	1.3	0.6	0.6	0.1	0.7	0.5	0.5	0.3	0.2	0.0	0.1	0.1
Electrical machinery	0.3	0.3	0.3	0.3	0.7	0.3	0.0	0.1	0.1	0.1	0.1	0.2
Transportation equipment	0.0	0.2	0.3	0.0	0.5	1.3	0.0	0.1	0.1	0.1	0.1	0.0
Instruments and related products	0.9	0.9	0.5	0.6	1.6	0.6	0.2	0.8	0.1	0.8	0.4	0.3
Nondurable goods industries	0.3	0.3	0.2	0.3	0.4	0.3	0.4	0.9	0.5	0.1	0.1	0.1
Food and kindred products	0.4	0.3	0.2	(X)	(X)	(X)	(X)	(X)	(X)	0.6	0.3	0.2
Tobacco products	0.0	0.1	0.4	(X)	(X)	(X)	(X)	(X)	(X)	0.0	0.1	0.1
Textile mill products	0.9	1.7	0.8	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	0.0	0.4	0.3
Paper and allied products	0.2	0.6	0.2	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	0.3	0.4	0.2
Chemicals and allied products	0.2	0.6	0.3	(X)	(X)	(X)	(X)	(X)	(X)	0.0	0.2	0.1
Petroleum and coal products	0.2	0.6	0.3	(X)	(X)	(X)	(X)	(X)	(X)	0.1	0.7	0.2
Rubber and plastics products	0.8	1.2	0.8	(X)	(X)	(X)	(X)	(X)	(X)	0.2	0.3	0.3
Capital goods industries:												
Nondefense	0.9	0.5	0.4	0.0	0.7	0.7	0.2	0.2	0.2	0.0	0.1	0.1
Defense	0.1	0.7	0.4	0.1	1.3	3.2	0.0	0.0	0.2	0.0	0.1	0.0

(X) Not applicable. (NA) Not available.

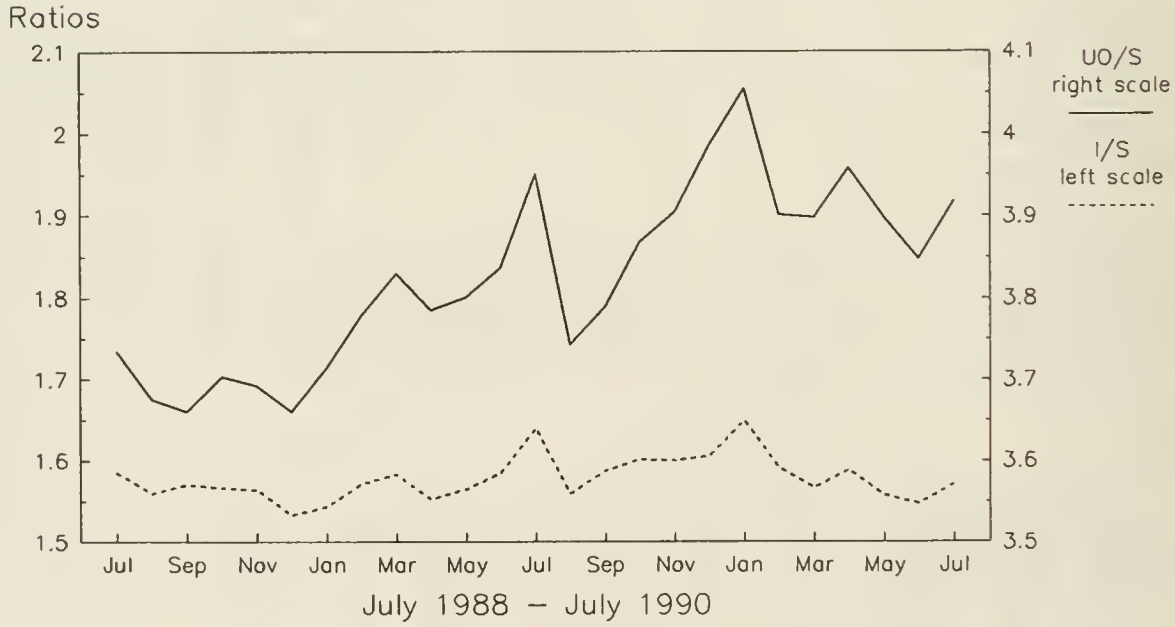
Note: The revisions are the differences between the month-to-month percent changes of the preliminary and final estimates. The monthly averages are the simple averages of the differences, without regard to sign, for the months specified. The advance to final percent change revisions for the durable goods industries are shown in the advance report for the month.

[1]Average for this month for the last five years.

Total Manufacturing
New Orders and Shipments
Three Month Moving Averages

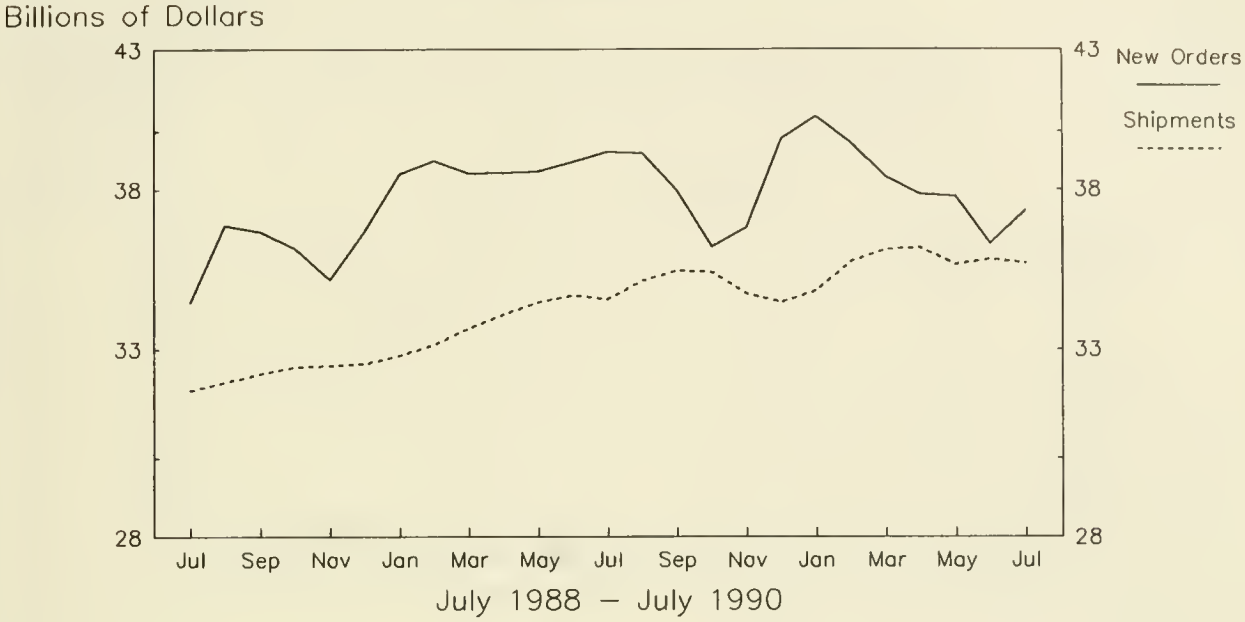


Total Manufacturing
Ratios of Unfilled Orders and
Inventories to Shipments

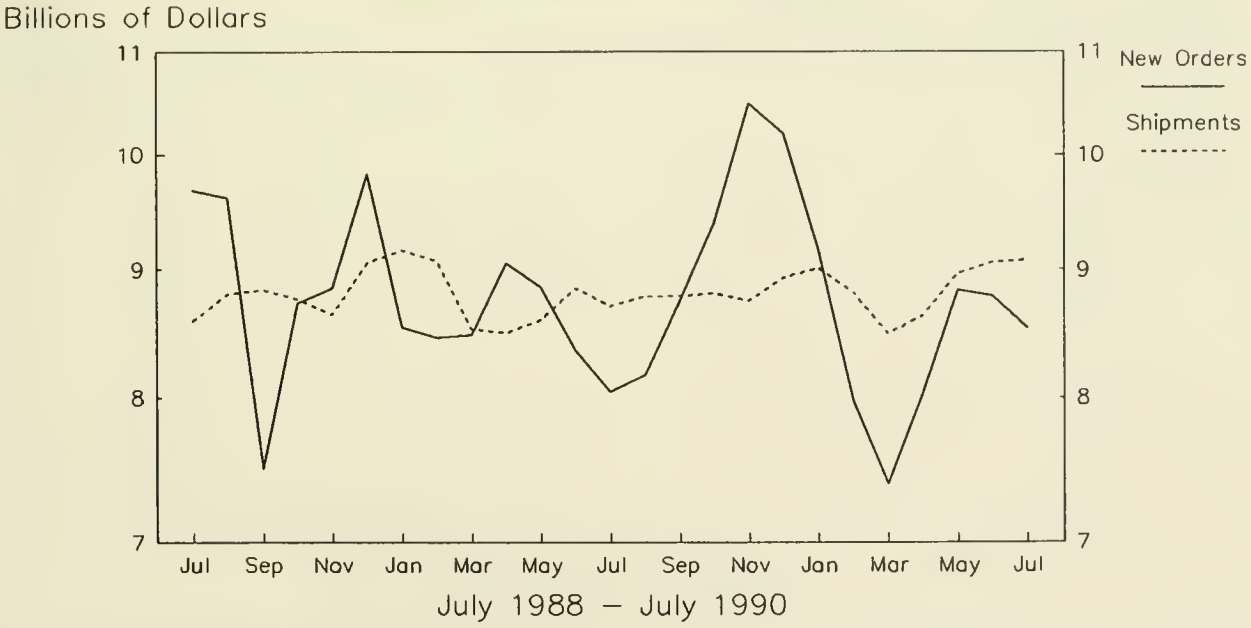


Note: All Charts based on seasonally adjusted current dollars.

Nondefense Capital Goods
New Orders and Shipments
Three Month Moving Averages

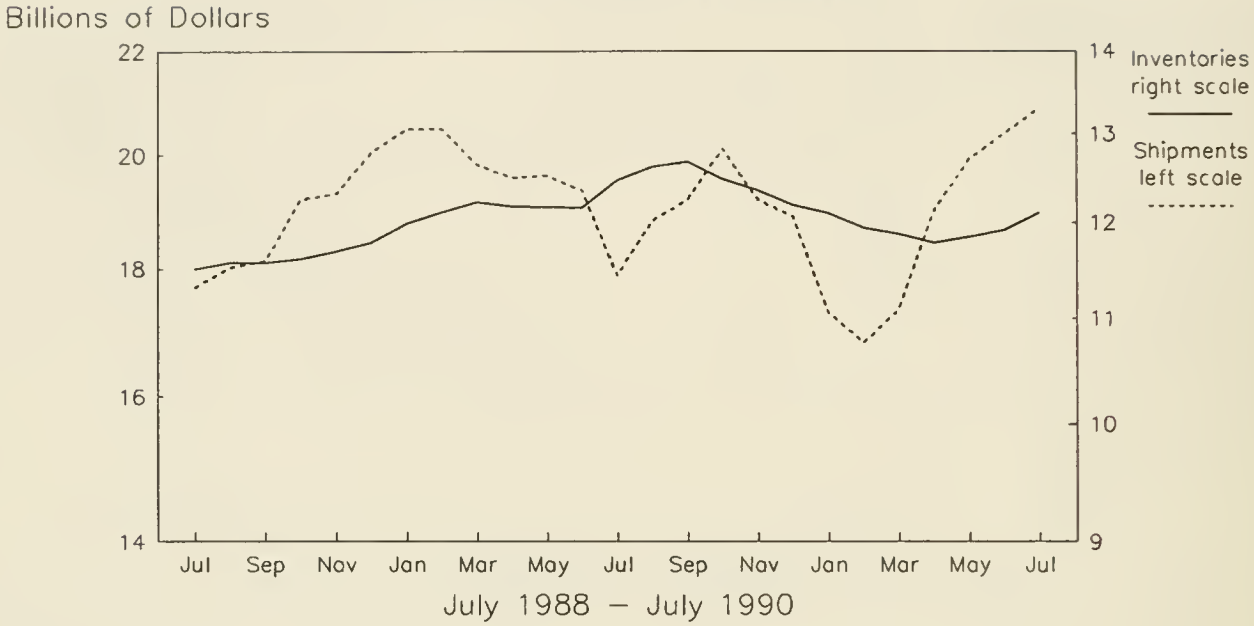


Defense Capital Goods
New Orders and Shipments
Three Month Moving Averages

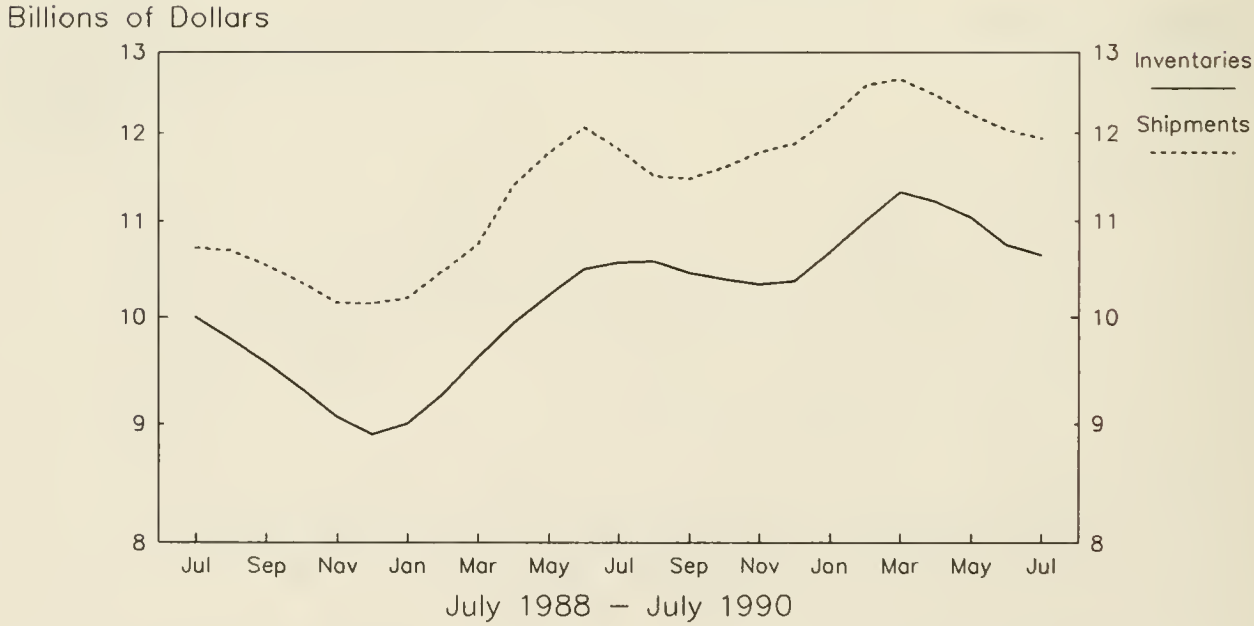


Note: All Charts based on seasonally adjusted current dollars.

Motor Vehicles and Parts
Shipments and Inventories
Three Month Moving Averages

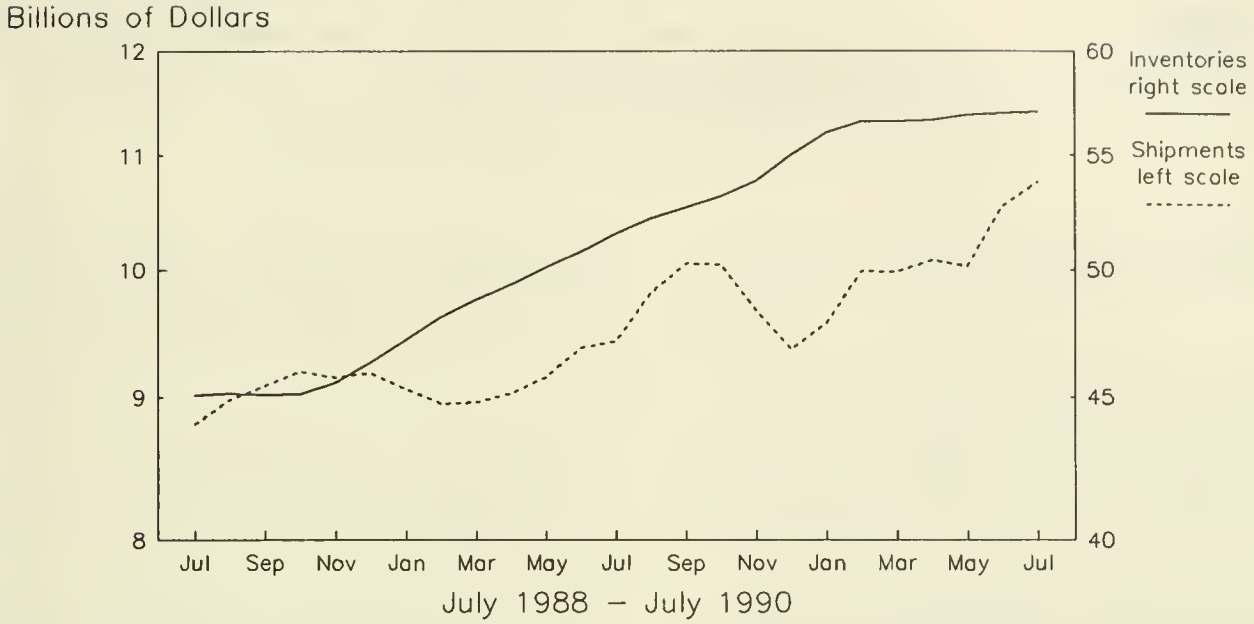


Petroleum and Coal Products
Shipments and Inventories
Three Month Moving Averages

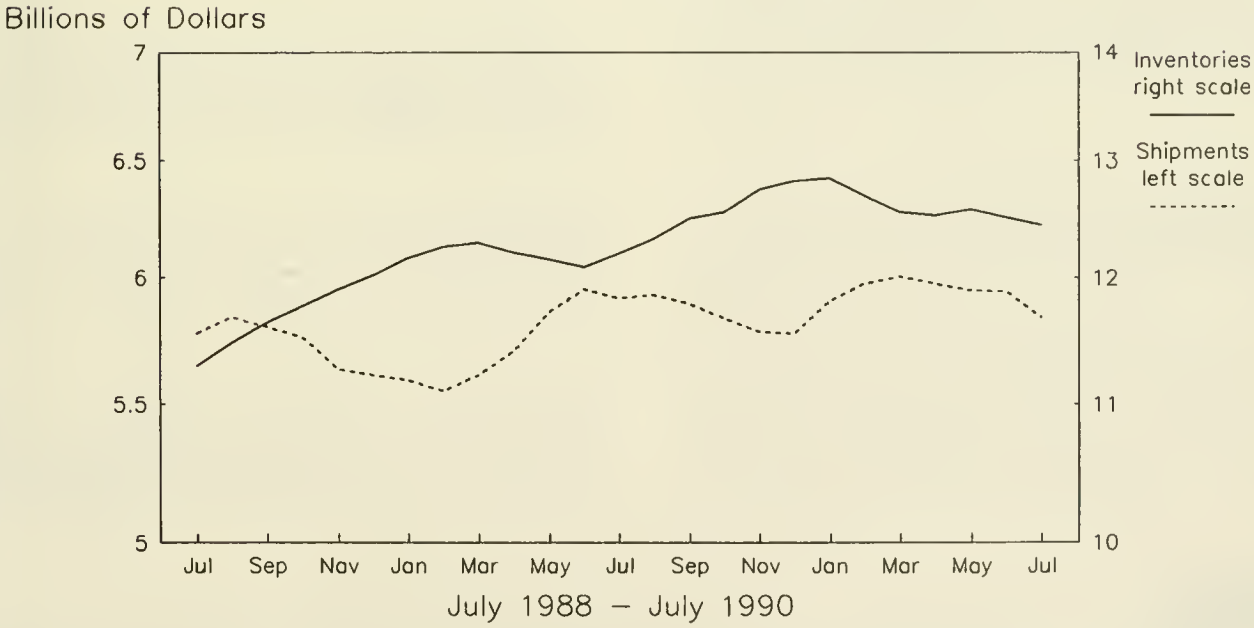


Note: All Charts based on seasonally adjusted current dollars.

Aircraft, Missiles and Parts
Shipments and Inventories
Three Month Moving Averages



Office and Computing Equipment
Shipments and Inventories
Three Month Moving Averages



Note: All Charts based on seasonally adjusted current dollars.

U.S. Department of Commerce
BUREAU OF THE CENSUS
Washington, D.C. 20233

Official Business
Penalty for Private Use, $300

POSTAGE AND FEES PAID
U.S. DEPARTMENT OF COMMERCE
COM-202

First Class Mail

C 3.158:M3-1-(90)-8
Current Industrial Reports,...

Manufacturers' Shipments, Inventories, and Orders

NOV 5 1990

U. S. Department of Commerce
BUREAU OF THE CENSUS

August 1990
M3-1-(90)-8
For Wire Transmissions 10:00 a.m. E.D.T. Wednesday, October 3, 1990

(All figures in text are in seasonally adjusted current dollars)

Summary

New orders for manufactured goods in August increased $4.3 billion or 1.8 percent to $244.6 billion, the Department of Commerce, Bureau of the Census reported today. Most of the increase is attributed to the petroleum refining industry, which had substantial price increases during the month. Excluding petroleum, orders increased 0.6 percent.

Shipments were similarly influenced by the petroleum refining industry. Total shipments of manufactured goods increased $8.0 billion or 3.4 percent to $245.9 billion. Excluding petroleum, shipments were up 2.3 percent.

Unfilled orders, which are not affected by the petroleum industry, declined $1.3 billion or 0.2 percent to $518.7 billion. The order backlog has been relatively unchanged since May.

Manufacturers' inventories, valued at current cost, increased $0.6 billion or 0.2 percent to $373.9 billion. Excluding the petroleum industry, inventories were unchanged from July. The inventory to shipments ratio for August was 1.52, down from 1.57 in July.

New Orders

Within the durable goods sector, new orders declined $0.6 billion or 0.5 percent to $127.5 billion. Orders for defense capital goods increased $1.1 billion or 14.4 percent to $8.6 billion. Excluding defense, orders were down 1.4 percent.

By major industry group, nonelectrical machinery orders were down $1.1 billion or 5.0 percent to $21.4 billion, more than offsetting last month's 3.5 percent increase. Primary metals declined $0.3 billion or 2.3 percent to $11.5 billion.

On the upside, electrical machinery increased $0.6 billion or 2.9 percent to $20.9 billion and transportation equipment $0.6 billion or 1.8 percent to $35.4 billion. Within transportation, increases in motor vehicles and parts and shipbuilding and tanks more than offset a decline in aircraft and parts.

New orders for nondurable goods increased $5.0 billion or 4.4 percent to $117.1 billion. The petroleum and chemicals industries accounted for most of the rise.

Shipments

Shipments of durable goods increased $3.9 billion or 3.1 percent to $129.0 billion. Motor vehicles and parts accounted for about half of the increase, showing its usual volatility during the third quarter model changeover period. Nonelectrical machinery increased $1.2 billion or 5.7 percent to $22.4 billion.

Shipments of nondurable goods increased $4.1 billion or 3.6 percent to $116.8 billion. The petroleum refining industry was up $2.9 billion or 24.5 percent to $14.9 billion and chemicals $0.9 billion or 4.2 percent to $23.0. billion.

Unfilled Orders

Unfilled orders for durable goods decreased $1.6 billion or 0.3 percent to $499.4 billion. Most of the major industries were down. Nonelectrical machinery decreased $1.0 billion or 1.7 percent to $60.4 billion, offsetting most of last month's 2.2 percent increase. Transportation equipment was down $0.6 billion or 0.2 percent to $271.7 billion; a decline in aircraft and parts more than offset an increase in shipbuilding and tanks.

Inventories

Inventories of durable manufacturers were unchanged from July at $246.5 billion. Most of the major industries also showed little change. By stage of fabrication, materials and supplies were down 0.6 percent, finished goods up 0.7 percent and work in process unchanged.

Inventories of nondurable goods producers were up $0.6 billion or 0.5 percent to $127.5 billion. Petroleum inventories increased $0.7 billion or 6.4 percent to $11.3 billion. The full effect of the increase in oil prices is not reflected in the inventory values due to variations in the timing of price adjustment introductions.

The advance report on durable goods for September is scheduled for October 24, 1990 at 8:30 a.m. and the full report on October 31, 1990 at 10:00 a.m. Address inquiries concerning these figures to U.S. Department of Commerce, Bureau of the Census, Industry Division, Washington, DC 20233 or call Ruth Runyan or Kathleen Menth, (301) 763-2502 or (301) 763-2512.

For sale by the Superintendent of Documents, U.S. Government Printing Office, Washington, DC 20402. This report is also available the day of issue through the Department of Commerce's online Economic Bulletin Board (N-8-1) (202-377-3870) and through the Census Bureau's online information service-CENDATA. CENDATA is available from Dialog Information Services, INC. (1-800-334-2464) and CompuServe (1-800-848-8199). The CENDATA staff at the Bureau of the Census (301-763-2074) can provide content information and general guidance.

Table 1. VALUE OF MANUFACTURERS' SHIPMENTS FOR INDUSTRY GROUPS, MARKET CATEGORIES AND SUPPLEMENTARY SERIES
(Millions of dollars)

Industry	Seasonally adjusted						Not seasonally adjusted[1]						
	Monthly			Percent Change			Monthly				Percent change	Year to date	
	Aug. 1990p	July 1990r	June 1990	July-Aug.p	June-Julyr	May-June	Aug. 1990p	July 1990r	June 1990	Aug. 1989	Aug.90/89p	1990p	1989
All manufacturing industries	245,863	237,834	239,460	+3.4	-0.7	+0.2	242,284	216,329	254,972	233,026	+4.0	1,879,354	1,835,446
Manufacturing industries with unfilled orders	135,573	133,129	134,488	+1.8	-1.0	+0.8	132,628	118,766	143,758	128,853	+2.9	1,043,670	1,009,007
Durable goods industries	129,029	125,090	127,283	+3.1	-1.7	+0.6	123,977	109,067	137,966	122,298	+1.4	984,315	969,395
With unfilled orders	107,236	104,864	106,298	+2.3	-1.3	+1.0	103,779	92,339	114,984	101,026	+2.7	820,897	794,420
Stone, clay, and glass products	5,392	5,473	5,427	-1.5	+0.8	-0.6	5,650	5,159	5,864	5,725	-1.3	43,263	43,073
Primary metals	11,708	11,814	11,427	-0.9	+3.4	-0.4	11,665	10,810	12,053	12,120	-3.8	92,156	99,753
Blast furnaces, steel mills	4,791	4,754	4,654	+0.8	+2.1	-0.8	4,695	4,344	4,954	4,863	-3.5	37,641	40,796
Iron and steel foundries	861	883	855	-2.5	+3.3	+2.9	884	748	910	859	+2.9	6,632	6,951
Nonferrous and other primary metals	6,056	6,177	5,918	-2.0	+4.4	-0.6	6,086	5,718	6,189	6,398	-4.9	47,883	52,006
Fabricated metal products	14,231	14,202	14,273	+0.2	-0.5	-1.9	14,058	12,945	15,295	13,927	+0.9	112,866	107,059
Machinery, except electrical	22,442	21,239	22,104	+5.7	-3.9	+0.1	20,923	18,959	25,353	20,950	-0.1	175,448	174,239
Engines and turbines	1,339	1,191	1,357	+12.4	-12.2	+2.6	1,272	972	1,435	1,361	-6.5	10,348	10,832
Construction, mining and material handling equipment	3,054	2,512	2,956	+21.6	-15.0	-1.6	2,816	2,597	3,162	2,672	+5.4	23,915	21,874
Metalworking machinery	1,127	1,107	1,083	+1.8	+2.2	+3.8	1,029	926	1,180	1,025	+0.4	8,209	7,900
Office and computing machines	5,789	5,634	6,121	+2.8	-8.0	+5.1	5,251	4,398	7,951	5,283	-0.6	44,329	43,343
Electrical machinery	20,423	20,604	20,601	-0.9	0.0	-0.2	20,186	18,324	22,076	19,854	+1.7	159,664	154,915
Electrical transmission and distribution equipment and industrial apparatus	2,478	2,529	2,636	-2.0	-4.1	+3.8	2,381	2,230	2,839	2,409	-1.2	20,034	19,904
Household appliances	1,486	1,623	1,634	-8.4	-0.7	-0.2	1,544	1,574	1,827	1,624	-4.9	13,135	12,939
Radio and TV	972	1,038	1,024	-6.4	+1.4	+4.2	1,030	841	1,147	1,180	-12.7	7,370	7,580
Communication equipment	6,866	6,946	6,673	-1.2	+4.1	-2.5	6,655	6,029	7,286	6,319	+5.3	52,865	49,263
Electronic components	5,107	5,008	5,057	+2.0	-1.0	-0.5	5,076	4,667	5,314	4,757	+6.7	39,876	38,279
Other electrical machinery	3,514	3,460	3,577	+1.6	-3.3	+0.6	3,500	2,983	3,663	3,565	-1.8	26,384	26,950
Transportation equipment	35,988	33,114	34,692	+8.7	-4.5	+3.8	32,576	25,469	37,252	31,128	+4.7	252,174	244,949
Motor vehicles and parts	22,516	20,433	21,353	+10.2	-4.3	+1.0	20,082	14,069	22,847	19,455	+3.2	155,300	155,888
Aircraft, missiles, and parts	11,430	10,747	11,228	+6.4	-4.3	+8.7	10,473	9,582	12,241	9,309	+12.5	80,464	71,634
Shipbuilding and military tank vehicles	949	957	1,000	-0.8	-4.3	+5.9	953	901	1,019	1,027	-7.2	7,382	7,266
Instruments and related products	6,717	6,568	6,640	+2.3	-1.1	-0.4	6,467	6,102	7,229	6,134	+5.4	52,130	49,976
Scientific and engineering instruments	4,483	4,459	4,459	+0.5	0.0	-1.6	4,416	4,152	4,726	4,220	+4.6	35,255	33,350
All other durable goods	12,128	12,076	12,119	+0.4	-0.4	-0.6	12,452	11,299	12,844	12,460	-0.1	96,614	95,431
Nondurable goods industries	116,834	112,744	112,177	+3.6	+0.5	-0.2	118,307	107,262	117,006	110,728	+6.8	895,039	866,051
With unfilled orders	28,337	28,265	28,190	+0.3	+0.3	-0.3	28,849	26,427	28,774	27,827	+3.7	222,773	214,587
Food and kindred products	34,274	33,806	34,006	+1.4	-0.6	+0.3	34,191	32,451	35,270	32,654	+4.7	266,486	254,853
Dairy products	4,853	4,844	4,842	+0.2	0.0	-0.8	4,897	4,865	5,096	4,618	+6.0	38,655	34,264
Beverages	4,201	4,161	4,235	+1.0	-1.7	-0.5	4,503	4,461	4,859	4,537	-0.7	34,421	34,600
All other foods	16,285	16,072	15,930	+1.3	+0.9	-0.4	15,650	14,441	16,118	14,946	+4.7	123,647	118,153
Tobacco products	2,400	2,338	1,918	+2.7	+21.9	-13.3	2,294	1,635	2,334	1,886	+21.6	16,301	14,769
Textile mill products	4,966	4,899	5,082	+1.4	-3.6	-1.5	5,203	4,210	5,522	5,607	-7.2	40,242	42,143
Broadwoven fabrics	2,940	2,885	2,878	+1.9	+0.2	-0.9	3,037	2,383	3,101	3,275	-7.3	23,372	25,535
Paper and allied products	11,088	11,129	10,885	-0.4	+2.2	-1.3	11,175	10,735	11,342	10,949	+2.1	87,798	87,519
Pulp, paper etc.	4,777	4,729	4,704	+1.0	+0.5	-0.4	4,779	4,602	4,793	4,765	+0.3	37,604	39,154
Paperboard containers	2,666	2,659	2,566	+0.3	+3.6	-3.9	2,767	2,525	2,707	2,782	-0.5	21,433	21,711
All other paper products	3,645	3,741	3,615	-2.6	+3.5	-0.6	3,629	3,608	3,842	3,402	+6.7	28,761	26,654
Chemicals and allied products	23,000	22,063	21,947	+4.2	+0.5	+0.3	22,720	20,612	23,071	21,099	+7.7	176,137	172,223
Industrial chemicals, except pigments	6,178	5,691	5,650	+8.6	+0.7	-1.0	6,042	5,542	5,921	5,577	+8.3	46,500	47,760
Drugs, soaps, and toiletries	7,442	7,389	7,153	+0.7	+3.3	-2.2	7,576	6,755	7,551	7,063	+7.3	56,904	52,991
Other chemical products	6,068	5,726	5,887	+6.0	-2.7	+0.3	6,026	5,348	6,099	5,526	+9.0	46,677	45,738
Petroleum and coal products	14,877	11,952	11,906	+24.5	+0.4	-0.5	15,665	12,349	12,469	11,495	+36.3	100,916	90,575
Rubber and plastics products	7,576	7,790	7,493	-2.7	+4.0	+1.0	7,544	7,075	8,063	8,127	-7.2	60,747	65,233
All other nondurable goods	18,653	18,767	18,940	-0.6	-0.9	+0.7	19,515	18,195	18,935	18,911	+3.2	146,412	138,736
Market categories:													
Home goods and apparel	14,137	14,396	14,699	-1.8	-2.1	-0.3	15,167	13,483	15,512	16,066	-5.6	113,911	116,061
Consumer staples	49,297	48,756	48,239	+1.1	+1.1	-0.7	49,252	45,812	50,383	46,337	+6.3	379,928	357,707
Equipment and defense prod. except automotive	41,174	40,063	40,893	+2.8	-2.0	+2.2	39,089	36,098	45,460	38,045	+2.7	316,932	299,876
Automotive equipment	24,765	22,660	23,432	+9.3	-3.3	-0.1	22,417	16,169	25,089	21,892	+2.4	173,523	175,027
Construction materials, supplies and intermediate products	17,386	17,563	17,624	-1.0	-0.3	-1.3	17,916	17,111	19,050	18,466	-3.0	140,946	140,239
Other materials, supplies, and intermediate products	99,104	94,396	94,573	+5.0	-0.2	+0.4	98,443	87,656	99,478	92,220	+6.7	754,114	746,536
Supplementary series:[2]													
Capital goods industries	45,912	44,048	45,721	+4.2	-3.7	+2.8	43,393	39,422	50,721	42,263	+2.7	348,570	335,240
Nondefense	36,761	35,095	36,623	+4.7	-4.2	+3.8	34,714	31,458	41,010	33,794	+2.7	280,665	268,368
Excluding aircraft and parts	30,572	29,367	30,712	+4.1	-4.4	+1.4	29,199	26,303	34,548	29,091	+0.4	238,747	233,347
Defense	9,151	8,953	9,098	+2.2	-1.6	-0.9	8,679	7,964	9,711	8,469	+2.5	67,905	66,872
Household durable goods industries	6,770	6,898	6,921	-1.9	-0.3	0.0	7,004	5,886	7,384	7,226	-3.1	53,963	53,820

See footnotes at end of table 2.

Table 2. VALUE OF MANUFACTURERS' NEW ORDERS FOR INDUSTRY GROUPS, MARKET CATEGORIES AND SUPPLEMENTARY SERIES
(Millions of dollars)

Industry	Seasonally adjusted						Not seasonally adjusted[1]						
	Monthly			Percent Change			Monthly				Percent change	Year to date	
	Aug. 1990[p]	July 1990[r]	June 1990	July-Aug.[p]	June-July[r]	May-June	Aug. 1990[p]	July 1990[r]	June 1990	Aug. 1989	Aug.90/89[p]	1990[p]	1989
All manufacturing industries	244,585	240,238	236,578	+1.8	+1.5	-1.9	237,980	218,472	250,095	229,098	+3.9	1,885,236	1,864,400
Manufacturing industries with unfilled orders	134,295	135,533	131,606	-0.9	+3.0	-3.0	128,324	120,909	138,881	124,925	+2.7	1,049,552	1,037,961
Durable goods industries	127,458	128,094	124,692	-0.5	+2.7	-3.1	119,329	111,571	133,288	118,323	+0.9	989,706	997,217
With unfilled orders	105,665	107,868	103,707	-2.0	+4.0	-3.5	99,131	94,843	110,306	97,051	+2.1	826,288	822,242
Stone, clay, and glass products	5,490	5,553	5,457	-1.1	+1.8	+1.8	5,825	5,208	5,891	5,551	+4.9	43,428	42,676
Primary metals	11,538	11,813	11,499	-2.3	+2.7	-3.3	10,848	10,581	11,407	10,812	+0.3	92,814	98,141
Blast furnaces, steel mills	4,926	4,840	4,792	+1.8	+1.0	-4.6	4,589	4,343	4,543	4,219	+8.8	38,313	38,885
Iron and steel foundries	1,005	884	883	+13.7	+0.1	-0.8	1,006	750	927	829	+21.4	7,129	7,138
Nonferrous and other primary metals	5,607	6,089	5,824	-7.9	+4.6	-2.5	5,253	5,488	5,937	5,764	-8.9	47,372	52,118
Fabricated metal products	13,949	14,466	14,170	-3.6	+2.1	+0.2	13,679	13,459	15,114	13,135	+4.1	112,633	105,267
Machinery, except electrical	21,417	22,533	21,778	-5.0	+3.5	-2.2	20,026	20,211	24,510	21,116	-5.2	174,979	176,919
Engines and turbines	1,251	1,858	1,358	-32.7	+36.8	-6.5	1,346	1,733	1,458	1,486	-9.4	11,337	12,477
Construction, mining and material handling equipment	2,896	2,564	3,175	+12.9	-19.2	+5.8	2,504	2,669	3,292	2,647	-5.4	23,699	22,719
Metalworking machinery	1,083	945	1,060	+14.6	-10.8	+9.5	1,063	820	1,224	1,044	+1.8	7,883	7,976
Office and computing machines	5,267	6,342	5,730	-17.0	+10.7	-3.1	4,795	5,141	7,307	5,555	-13.7	44,583	42,822
Electrical machinery	20,879	20,295	20,004	+2.9	+1.5	-3.5	19,586	17,758	21,861	18,302	+7.0	157,511	151,959
Electrical transmission and distribution equipment and industrial apparatus	2,564	2,616	2,399	-2.0	+9.0	-2.2	2,494	2,347	2,523	2,236	+11.5	20,086	20,080
Communication equipment	6,855	6,860	6,749	-0.1	+1.6	-0.6	5,760	5,456	7,834	4,959	+16.2	49,702	46,409
Electronic components	5,547	4,648	4,557	+19.3	+2.0	-15.7	5,204	4,396	4,800	4,620	+12.6	40,261	37,779
Other electrical machinery	3,564	3,570	3,548	-0.2	+0.6	-0.4	3,587	3,128	3,663	3,609	-0.6	26,816	27,038
Transportation equipment	35,424	34,812	33,286	+1.8	+4.6	-6.3	30,788	26,771	34,824	31,180	-1.3	258,868	275,589
Aircraft, missiles, and parts.	10,233	13,115	10,755	-22.0	+21.9	-13.2	8,120	11,171	10,754	10,346	-21.5	87,732	102,895
Shipbuilding and military tank vehicles	1,735	599	562	189.6	+6.6	+27.7	1,799	768	678	516	248.6	7,631	7,010
Instruments and related products	6,588	6,432	6,343	+2.4	+1.4	-3.6	6,264	5,996	7,018	6,093	+2.8	51,607	49,538
Scientific and engineering instruments	4,343	4,358	4,252	-0.3	+2.5	-4.7	4,230	4,088	4,542	4,211	+0.5	34,779	32,981
All other durable goods	12,173	12,190	12,155	-0.1	+0.3	-0.7	12,313	11,587	12,663	12,134	+1.5	97,866	97,128
Nondurable goods industries	117,127	112,144	111,886	+4.4	+0.2	-0.4	118,651	106,901	116,807	110,775	+7.1	895,530	867,183
With unfilled orders	28,630	27,665	27,899	+3.5	-0.8	-1.4	29,193	26,066	28,575	27,874	+4.7	223,264	215,719
Market categories:													
Home goods and apparel	14,237	14,326	14,853	-0.6	-3.5	+0.7	15,128	13,660	15,493	15,782	-4.1	115,155	118,183
Consumer staples	49,324	48,762	48,330	+1.2	+0.9	-0.4	49,328	45,882	50,462	46,400	+6.3	379,904	357,842
Equipment and defense prod. except automotive	39,150	42,982	39,558	-8.9	+8.7	-2.5	35,406	38,162	43,114	36,615	-3.3	316,882	321,120
Automotive equipment	24,655	22,481	23,060	+9.7	-2.5	-3.2	22,179	16,148	24,612	21,615	+2.6	172,904	174,039
Construction materials, supplies and intermediate products	17,481	17,680	17,517	-1.1	+0.9	-0.9	18,055	17,142	18,909	17,927	+0.7	140,684	139,008
Other materials, supplies, and intermediate products	99,738	94,007	93,260	+6.1	+0.8	-2.6	97,884	87,478	97,505	90,759	+7.9	759,707	754,208
Supplementary series:													
Capital goods industries	44,315	47,315	44,071	-6.3	+7.4	-4.2	40,038	41,702	48,043	40,930	-2.2	352,148	366,034
Nondefense	35,765	39,840	36,192	-10.2	+10.1	+0.7	33,857	36,223	40,572	35,105	-3.6	294,083	305,403
Excluding aircraft and parts	29,679	30,660	29,843	-3.2	+2.7	-1.1	28,445	27,616	33,672	28,668	-0.8	238,151	237,949
Defense	8,550	7,475	7,879	+14.4	-5.1	-21.8	6,181	5,479	7,471	5,825	+6.1	58,065	60,631
Household durable goods industries	6,782	6,940	7,092	-2.3	-2.1	+3.5	6,876	6,087	7,455	7,029	-2.2	55,101	55,422

[p] Preliminary. [r] Revised.

[1] Shipments and new orders are the totals for the period and are adjusted for trading-day and calendar-month variations; unfilled orders and inventories are as of the end of the period and are not adjusted for trading-day or calendar-month variations.

[2] The supplementary series are regroupings of the separate industry categories:

Nondefense capital goods include machinery, except electrical (excluding farm machinery and equipment and machine shops); electrical machinery (excluding household appliances, radio and TV, and electronic components); railroad equipment; and the nondefense portions of ordnance; communication equipment; aircraft, missiles and parts; tanks, and shipbuilding, converting and repairing.

Defense capital goods include ordnance; communication equipment; aircraft, missiles and parts; tanks, and shipbuilding, converting and repairing.

Household durable goods industries include household furniture; kitchen articles and pottery; cutlery, handtools, and hardware; household appliances; radio and TV; ophthalmic goods; watches and clocks; and miscellaneous personal goods.

Table 3. VALUE OF MANUFACTURERS' UNFILLED ORDERS FOR INDUSTRY GROUPS, MARKET CATEGORIES AND SUPPLEMENTARY SERIES
(Millions of dollars)

Industry	Seasonally adjusted						Not seasonally adjusted[1]				
	Monthly			Percent Change			Monthly				Percent change
	Aug. 1990p	July 1990r	June 1990	July-Aug.p	June-Julyr	May-June	Aug. 1990p	July 1990r	June 1990	Aug. 1989	Aug.90/89p
All manufacturing industries	518,676	519,954	517,550	-0.2	+0.5	-0.6	515,824	520,128	517,985	492,888	+4.7
Durable goods industries	499,380	500,951	497,947	-0.3	+0.6	-0.5	496,015	500,663	498,159	471,779	+5.1
Stone, clay, and glass products	5,210	5,112	5,032	+1.9	+1.6	+0.6	5,312	5,137	5,088	5,215	+1.9
Primary metals	23,359	23,529	23,530	-0.7	0.0	+0.3	22,727	23,544	23,773	23,532	-3.4
Blast furnaces, steel mills	9,630	9,495	9,409	+1.4	+0.9	+1.5	9,226	9,332	9,333	8,814	+4.7
Iron and steel foundries	2,788	2,644	2,643	+5.4	0.0	+1.1	2,768	2,646	2,644	2,367	+16.9
Nonferrous and other primary metals	10,941	11,390	11,478	-3.9	-0.8	-0.8	10,733	11,566	11,796	12,351	-13.1
Fabricated metal products	25,012	25,294	25,030	-1.1	+1.1	-0.4	25,179	25,558	25,044	26,400	-4.6
Machinery, except electrical	60,429	61,454	60,160	-1.7	+2.2	-0.5	60,384	61,281	60,029	61,959	-2.5
Engines and turbines	7,682	7,770	7,103	-1.1	+9.4	0.0	7,688	7,614	6,853	6,247	+23.1
Construction, mining and material handling equipment	9,089	9,247	9,195	-1.7	+0.6	+2.4	8,916	9,228	9,156	9,368	-4.8
Metalworking machinery	4,072	4,116	4,278	-1.1	-3.8	-0.5	4,206	4,172	4,278	4,658	-9.7
Office and computing machines	12,400	12,922	12,214	-4.0	+5.8	-3.1	12,561	13,017	12,274	12,549	+.1
Electrical machinery	92,365	91,909	92,218	+0.5	-0.3	-0.6	91,338	91,938	92,504	89,434	+2.1
Electrical transmission and distribution equipment and industrial apparatus	6,856	6,770	6,683	+1.3	+1.3	-3.4	6,863	6,750	6,633	7,024	-2.3
Communication equipment	65,137	65,148	65,234	0.0	-0.1	+0.1	63,851	64,746	65,319	62,682	+1.9
Electronic components	14,169	13,729	14,089	+3.2	-2.6	-3.4	14,254	14,126	14,397	13,905	+2.5
Other electrical machinery	5,314	5,264	5,154	+0.9	+2.1	-0.6	5,394	5,307	5,162	4,752	+13.5
Transportation equipment	271,732	272,296	270,598	-0.2	+0.6	-0.5	269,460	271,248	269,946	243,107	+10.8
Aircraft, missiles, and parts.	234,802	235,999	233,631	-0.5	+1.0	-0.2	232,315	234,668	233,079	206,393	+12.6
Shipbuilding and military tank vehicles	27,292	26,506	26,864	+3.0	-1.3	-1.6	27,622	26,776	26,909	25,981	+6.3
Instruments and related products	14,022	14,151	14,287	-0.9	-1.0	-2.0	13,997	14,200	14,306	14,262	-1.9
Scientific and engineering instruments	13,157	13,297	13,398	-1.1	-0.8	-1.5	13,104	13,290	13,354	13,278	-1.3
All other durable goods	7,251	7,206	7,092	+0.6	+1.6	+0.5	7,618	7,757	7,469	7,870	-3.2
Nondurable goods industries	19,296	19,003	19,603	+1.5	-3.1	-1.5	19,809	19,465	19,826	21,109	-6.2
Market categories:											
Home goods and apparel	7,518	7,418	7,488	+1.3	-0.9	+2.1	8,020	8,059	7,882	8,697	-7.8
Consumer staples	791	764	758	+3.5	+0.8	+13.6	855	779	709	979	-12.7
Equipment and defense prod. except automotive	332,277	334,301	331,382	-0.6	+0.9	-0.4	328,973	332,656	330,592	307,941	+6.8
Automotive equipment	7,178	7,288	7,467	-1.5	-2.4	-4.7	7,063	7,301	7,322	7,875	-10.3
Construction materials, supplies and intermediate products	13,366	13,271	13,154	+0.7	+0.9	-0.8	13,497	13,358	13,327	13,910	-3.0
Other materials, supplies, and intermediate products	157,546	156,912	157,301	+0.4	-0.2	-0.8	157,416	157,975	158,153	153,486	+2.6
Supplementary series:											
Capital goods industries	404,805	406,402	403,135	-0.4	+0.8	-0.4	401,389	404,744	402,464	375,037	+7.0
Nondefense	243,571	244,567	239,822	-0.4	+2.0	-0.2	243,666	244,523	239,758	215,808	+12.9
Excluding aircraft and parts	90,729	91,622	90,329	-1.0	+1.4	-1.0	90,824	91,578	90,265	91,342	-.6
Defense	161,234	161,835	163,313	-0.4	-0.9	-0.7	157,723	160,221	162,706	159,229	-.9
Household durable goods industries	5,464	5,452	5,410	+0.2	+0.8	+3.3	5,814	5,942	5,741	6,331	-8.2

See footnotes at end of table 2.

Table 4. VALUE OF MANUFACTURERS' INVENTORIES FOR INDUSTRY GROUPS, MARKET CATEGORIES AND SUPPLEMENTARY SERIES
(Millions of dollars)

Industry	Seasonally adjusted						Not seasonally adjusted[1]				
	Monthly			Percent Change			Monthly				Percent change
	Aug. 1990p	July 1990r	June 1990	July-Aug.p	June-Julyr	May-June	Aug. 1990p	July 1990r	June 1990	Aug. 1989	Aug.90/89p
All manufacturing industries	373,932	373,285	370,693	+0.2	+0.7	-0.5	375,676	374,549	370,560	372,752	+.8
Manufacturing industries with unfilled orders	259,675	259,868	258,255	-0.1	+0.6	-0.5	261,801	261,994	259,423	260,495	+.5
Durable goods industries	246,467	246,456	244,902	0.0	+0.6	-0.7	247,684	247,431	245,153	247,377	+.1
With unfilled orders	227,587	227,668	226,532	0.0	+0.5	-0.6	229,237	229,163	227,173	228,802	+.2
Stone, clay, and glass products	7,806	7,751	7,748	+0.7	0.0	+1.0	7,756	7,845	7,827	7,746	+.1
Primary metals	21,089	20,826	20,598	+1.3	+1.1	+1.5	21,034	20,870	20,548	21,124	-.4
Blast furnaces, steel mills	10,630	10,508	10,381	+1.2	+1.2	+0.3	10,683	10,574	10,303	10,703	-.2
Iron and steel foundries	1,347	1,340	1,364	+0.5	-1.8	+2.6	1,312	1,319	1,368	1,360	-3.5
Nonferrous and other primary metals	9,112	8,978	8,853	+1.5	+1.4	+2.7	9,039	8,977	8,877	9,061	-.2
Fabricated metal products	23,566	23,494	23,346	+0.3	+0.6	-0.7	23,466	23,449	23,509	24,021	-2.3
Machinery, except electrical	47,632	47,627	47,487	0.0	+0.3	-1.3	47,865	47,754	47,445	48,549	-1.4
Engines and turbines	3,071	3,046	3,034	+0.8	+0.4	-1.2	3,188	3,140	3,071	3,273	-2.6
Construction, mining and material handling equipment	7,554	7,572	7,625	-0.2	-0.7	+0.1	7,524	7,481	7,617	7,624	-1.3
Metalworking machinery	3,127	3,119	3,146	+0.3	-0.9	-0.9	3,224	3,182	3,129	3,281	-1.7
Office and computing machines	12,523	12,403	12,146	+1.0	+2.1	-4.8	12,799	12,556	12,083	12,751	+.4
Electrical machinery	39,849	39,976	39,930	-0.3	+0.1	-0.7	40,306	40,380	40,342	42,286	-4.7
Electrical transmission and distribution equipment and industrial apparatus	5,024	5,062	5,026	-0.8	+0.7	+0.2	5,009	5,052	5,036	5,093	-1.6
Household appliances	2,758	2,727	2,845	+1.1	-4.1	-2.9	2,703	2,714	2,944	3,085	-12.4
Radio and TV	1,803	1,778	1,810	+1.4	-1.8	+0.7	1,911	1,897	1,883	1,849	+3.4
Communication equipment	15,017	14,997	15,109	+0.1	-0.7	-1.2	15,289	15,168	15,140	16,810	-9.0
Electronic components	8,828	9,029	8,842	-2.2	+2.1	-0.1	8,943	9,076	8,870	9,039	-1.1
Other electrical machinery	6,419	6,383	6,298	+0.6	+1.3	-0.7	6,451	6,473	6,469	6,410	+.6
Transportation equipment	73,912	74,388	73,309	-0.6	+1.5	-1.0	74,514	74,521	72,909	70,711	+5.4
Motor vehicles and parts	12,152	12,415	11,842	-2.1	+4.8	-1.7	12,095	11,923	11,338	12,599	-4.0
Aircraft, missiles, and parts	57,009	57,174	56,798	-0.3	+0.7	-0.6	57,639	57,810	56,908	53,476	+7.8
Shipbuilding and military tank vehicles	2,621	2,588	2,547	+1.3	+1.6	-3.2	2,668	2,635	2,510	2,326	+14.7
Instruments and related products	13,575	13,695	13,692	-0.9	0.0	-1.3	13,684	13,739	13,748	14,240	-3.9
Scientific and engineering instruments	10,167	10,233	10,187	-0.6	+0.5	-0.5	10,157	10,209	10,201	10,386	-2.2
All other durable goods	19,038	18,699	18,792	+1.8	-0.5	-0.1	19,059	18,873	18,825	18,700	+1.9
Nondurable goods industries	127,465	126,829	125,791	+0.5	+0.8	-0.1	127,992	127,118	125,407	125,375	+2.1
With unfilled orders	32,088	32,200	31,723	-0.3	+1.5	+0.4	32,564	32,831	32,250	31,693	+2.7
Food and kindred products	27,127	27,079	26,877	+0.2	+0.8	+0.2	27,379	26,390	25,614	26,572	+3.0
Dairy products	2,931	2,890	2,824	+1.4	+2.3	+4.9	2,952	2,968	2,845	2,479	+19.1
Beverages	4,341	4,314	4,250	+0.6	+1.5	+0.4	4,241	4,234	4,207	4,196	+1.1
All other foods	15,244	15,378	15,405	-0.9	-0.2	-1.3	15,869	14,892	14,240	16,059	-1.2
Tobacco products	5,847	5,722	5,712	+2.2	+0.2	+1.4	5,549	5,322	5,390	5,328	+4.1
Textile mill products	8,313	8,302	8,294	+0.1	+0.1	-1.5	8,421	8,506	8,449	8,159	+3.2
Broadwoven fabrics	4,611	4,628	4,614	-0.4	+0.3	-2.0	4,648	4,712	4,673	4,582	+1.4
Paper and allied products	12,758	12,842	12,773	-0.7	+0.5	+0.6	12,694	12,877	12,898	12,486	+1.7
Pulp, paper etc.	5,208	5,182	5,101	+0.5	+1.6	+1.2	5,131	5,154	5,104	4,795	+7.0
Paperboard containers	3,139	3,191	3,210	-1.6	-0.6	+0.5	3,152	3,217	3,205	3,226	-2.3
All other paper products	4,411	4,469	4,462	-1.3	+0.2	0.0	4,411	4,506	4,589	4,465	-1.2
Chemicals and allied products	29,056	29,199	29,003	-0.5	+0.7	+0.1	28,963	29,367	28,933	29,236	-.9
Industrial chemicals, except pigments	7,425	7,526	7,468	-1.3	+0.8	-0.5	7,403	7,596	7,462	8,203	-9.8
Drugs, soaps, and toiletries	10,084	10,064	9,968	+0.2	+1.0	0.0	10,215	10,244	10,118	9,839	+3.8
Other chemical products	7,311	7,333	7,292	-0.3	+0.6	+0.9	7,267	7,396	7,252	7,359	-1.3
Petroleum and coal products	11,330	10,648	10,514	+6.4	+1.3	-2.5	11,412	10,787	10,631	10,465	+9.0
Rubber and plastics products	10,454	10,435	10,363	+0.2	+0.7	+0.2	10,362	10,419	10,372	10,535	-1.6
All other nondurable goods	22,580	22,602	22,255	-0.1	+1.6	+0.4	23,212	23,450	23,120	22,594	+2.7
Market categories:											
Home goods and apparel	27,313	27,197	27,479	+0.4	-1.0	-0.6	27,739	28,046	28,483	27,614	+.5
Consumer staples	47,186	47,060	46,611	+0.3	+1.0	+0.3	47,575	46,446	45,348	46,058	+3.3
Equipment and defense prod. except automotive	113,525	113,508	113,092	0.0	+0.4	-1.1	114,127	114,167	113,173	112,626	+1.3
Automotive equipment	15,182	15,482	14,845	-1.9	+4.3	-1.8	15,116	14,912	14,395	15,715	-3.8
Construction materials, supplies and intermediate products	26,014	25,679	25,670	+1.3	0.0	+0.3	25,883	25,757	25,816	25,816	+.3
Other materials, supplies, and intermediate products	144,712	144,359	142,996	+0.2	+1.0	-0.1	145,236	145,221	143,345	144,923	+.2
Supplementary series:[2]											
Capital goods industries	131,526	131,552	130,902	0.0	+0.5	-1.1	132,795	132,748	131,303	130,370	+1.9
Nondefense	92,944	93,265	92,434	-0.3	+0.9	-1.2	93,598	93,920	92,635	92,394	+1.3
Excluding aircraft and parts	65,161	64,984	64,556	+0.3	+0.7	-1.4	65,647	65,423	64,835	66,980	-2.0
Defense	38,582	38,287	38,468	+0.8	-0.5	-0.7	39,197	38,828	38,668	37,976	+3.2
Household durable goods industries	13,368	13,248	13,467	+0.9	-1.6	-0.7	13,590	13,599	13,791	13,718	-.9

See footnotes at end of table 2.

Table 5. VALUE OF MANUFACTURERS' INVENTORIES, BY STAGE OF FABRICATION, BY INDUSTRY GROUP
(Millions of dollars)

Industry	Seasonally adjusted						Not seasonally adjusted				
	Monthly			Percent Change			Monthly				Percent change
	Aug. 1990[p]	July 1990[r]	June 1990	July-Aug.[p]	June-July[r]	May-June	Aug. 1990[p]	July 1990[r]	June 1990	Aug. 1989	Aug.90/89[p]
MATERIALS AND SUPPLIES											
All manufacturing industries	113,863	113,960	113,046	-0.1	+0.8	-0.4	113,908	114,020	112,489	114,926	-.9
Durable goods industries	66,540	66,924	66,424	-0.6	+0.8	-0.6	66,977	67,177	66,096	68,288	-1.9
Stone, clay, and glass products	2,574	2,556	2,571	+0.7	-0.6	0.0	2,579	2,595	2,574	2,548	+1.2
Primary metals	6,434	6,487	6,390	-0.8	+1.5	-0.1	6,492	6,488	6,271	6,689	-2.9
Fabricated metal products	8,211	8,247	8,205	-0.4	+0.5	-1.5	8,267	8,307	8,206	8,987	-8.0
Machinery, except electrical	12,199	12,243	12,294	-0.4	-0.4	-0.6	12,277	12,319	12,291	13,097	-6.3
Electrical machinery	10,970	11,009	10,966	-0.4	+0.4	-1.1	11,057	11,207	10,944	11,303	-2.2
Transportation equipment	13,722	14,080	13,599	-2.5	+3.5	-0.2	13,828	13,906	13,535	13,603	+1.7
Instruments and related products	4,831	4,886	4,937	-1.1	-1.0	-1.0	4,879	4,921	4,965	4,693	+4.0
Lumber, furniture and miscellaneous durable goods	7,599	7,416	7,462	+2.5	-0.6	+0.2	7,598	7,434	7,310	7,368	+3.1
Nondurable goods industries	47,323	47,036	46,622	+0.6	+0.9	-0.2	46,931	46,843	46,393	46,638	+.6
Food and kindred products	9,003	8,886	8,792	+1.3	+1.1	+0.2	8,672	8,619	8,557	8,376	+3.5
Tobacco products	4,374	4,310	4,246	+1.5	+1.5	-1.2	4,077	4,007	4,045	3,935	+3.6
Textile mill products	2,411	2,396	2,428	+0.6	-1.3	+0.2	2,434	2,474	2,469	2,455	-.9
Paper and allied products	6,858	6,927	6,939	-1.0	-0.2	+0.6	6,835	6,923	6,970	6,720	+1.7
Chemicals and allied products	10,190	10,132	10,036	+0.6	+1.0	-0.5	10,225	10,218	10,078	10,173	+.5
Petroleum and coal products	2,757	2,737	2,631	+0.7	+4.0	-0.7	2,756	2,705	2,680	2,527	+9.1
Rubber and plastics products	3,850	3,799	3,745	+1.3	+1.4	-1.8	3,833	3,809	3,713	4,027	-4.8
Apparel, printing and publishing and leather goods	7,880	7,849	7,805	+0.4	+0.6	+0.2	8,099	8,088	7,881	8,425	-3.9
WORK IN PROCESS											
All manufacturing industries	138,335	137,908	136,914	+0.3	+0.7	-1.1	139,770	138,795	136,700	138,631	+.8
Durable goods industries	117,146	117,202	116,326	0.0	+0.8	-1.0	118,422	117,908	116,252	116,560	+1.6
Stone, clay, and glass products	1,001	992	1,012	+0.9	-2.0	-1.2	994	1,001	1,034	1,080	-8.0
Primary metals	8,532	8,328	8,234	+2.4	+1.1	+2.9	8,498	8,346	8,212	8,719	-2.5
Fabricated metal products	8,353	8,234	8,179	+1.4	+0.7	-0.4	8,268	8,113	8,138	8,180	+1.1
Machinery, except electrical	19,802	19,908	19,516	-0.5	+2.0	-2.9	20,108	19,971	19,590	20,477	-1.8
Electrical machinery	18,412	18,588	18,625	-0.9	-0.2	-1.2	18,762	18,794	18,718	20,680	-9.3
Transportation equipment	51,922	52,080	51,855	-0.3	+0.4	-1.1	52,635	52,579	51,611	49,274	+6.8
Instruments and related products	5,063	5,084	5,040	-0.4	+0.9	+0.1	5,102	5,100	5,062	5,456	-6.5
Lumber, furniture and miscellaneous durable goods	4,061	3,988	3,865	+1.8	+3.2	+0.3	4,055	4,004	3,887	3,753	+8.0
Nondurable goods industries	21,189	20,706	20,588	+2.3	+0.6	-1.5	21,348	20,887	20,448	21,012	+1.6
Food and kindred products	2,676	2,699	2,744	-0.9	-1.6	-1.2	2,621	2,664	2,679	2,587	+1.3
Tobacco products	264	275	262	-4.0	+5.0	+2.3	218	206	199	236	-7.6
Textile mill products	2,561	2,532	2,520	+1.1	+0.5	-3.1	2,557	2,564	2,532	2,486	+2.9
Paper and allied products	1,311	1,345	1,361	-2.5	-1.2	+1.4	1,341	1,391	1,377	1,409	-4.8
Chemicals and allied products	4,850	4,860	4,863	-0.2	-0.1	-0.2	4,925	4,935	4,834	4,831	+1.9
Petroleum and coal products	3,398	2,954	2,900	+15.0	+1.9	-4.3	3,448	2,994	2,928	2,920	+18.1
Rubber and plastics products	1,366	1,393	1,378	-1.9	+1.1	-1.4	1,376	1,380	1,333	1,469	-6.3
Apparel, printing and publishing and leather goods	4,763	4,648	4,560	+2.5	+1.9	-1.5	4,862	4,753	4,566	5,074	-4.2
FINISHED GOODS											
All manufacturing industries	121,734	121,417	120,733	+0.3	+0.6	+0.2	121,998	121,734	121,371	119,195	+2.4
Durable goods industries	62,781	62,330	62,152	+0.7	+0.3	-0.1	62,285	62,346	62,805	61,470	+1.3
Stone, clay, and glass products	4,231	4,203	4,165	+0.7	+0.9	+2.3	4,183	4,249	4,219	4,118	+1.6
Primary metals	6,123	6,011	5,974	+1.9	+0.6	+1.2	6,044	6,036	6,065	5,716	+5.7
Fabricated metal products	7,002	7,013	6,962	-0.2	+0.7	-0.1	6,931	7,029	7,165	6,854	+1.1
Machinery, except electrical	15,631	15,476	15,677	+1.0	-1.3	+0.3	15,480	15,464	15,564	14,975	+3.4
Electrical machinery	10,467	10,379	10,339	+0.8	+0.4	+0.5	10,487	10,379	10,680	10,303	+1.8
Transportation equipment	8,268	8,228	7,855	+0.5	+4.7	-1.7	8,051	8,036	7,763	7,834	+2.8
Instruments and related products	3,681	3,725	3,715	-1.2	+0.3	-3.6	3,703	3,718	3,721	4,091	-9.5
Lumber, furniture and miscellaneous durable goods	7,378	7,295	7,465	+1.1	-2.3	-0.7	7,406	7,435	7,628	7,579	-2.3
Nondurable goods industries	58,953	59,087	58,581	-0.2	+0.9	+0.6	59,713	59,388	58,566	57,725	+3.4
Food and kindred products	15,448	15,494	15,341	-0.3	+1.0	+0.4	16,086	15,107	14,378	15,609	+3.1
Tobacco products	1,209	1,137	1,204	+6.3	-5.6	+11.6	1,254	1,109	1,146	1,157	+8.4
Textile mill products	3,341	3,374	3,346	-1.0	+0.8	-1.4	3,430	3,468	3,448	3,218	+6.6
Paper and allied products	4,589	4,570	4,473	+0.4	+2.2	+0.4	4,518	4,563	4,551	4,357	+3.7
Chemicals and allied products	14,016	14,207	14,104	-1.3	+0.7	+0.6	13,813	14,214	14,021	14,232	-2.9
Petroleum and coal products	5,175	4,957	4,983	+4.4	-0.5	-2.4	5,208	5,088	5,023	5,018	+3.8
Rubber and plastics products	5,238	5,243	5,240	-0.1	+0.1	+2.1	5,153	5,230	5,326	5,039	+2.3
Apparel, printing and publishing and leather goods	9,937	10,105	9,890	-1.7	+2.2	+1.4	10,251	10,609	10,673	9,095	+12.7

[p]Preliminary. [r]Revised.

Table 6. RATIO OF MANUFACTURES' INVENTORIES TO SHIPMENTS AND UNFILLED ORDERS TO SHIPMENTS, BY INDUSTRY GROUP
(Based on seasonally adjusted data)

Industry	Inventory / Shipments ratio				Unfilled Orders / Shipments ratio[1]			
	Aug. 1990[p]	July 1990[r]	June 1990	May 1990	Aug. 1990[p]	July 1990[r]	June 1990	May 1990
All manufacturing industries	1.52	1.57	1.55	1.56	3.83	3.91	3.85	3.90
Durable goods industries	1.91	1.97	1.92	1.95	4.66	4.78	4.68	4.76
Stone, clay, and glass products	1.45	1.42	1.43	1.40	1.06	1.03	1.02	1.01
Primary metals	1.80	1.76	1.80	1.77	2.00	1.99	2.06	2.04
Fabricated metal products	1.66	1.65	1.64	1.62	1.93	1.95	1.92	1.90
Machinery, except electrical	2.12	2.24	2.15	2.18	2.86	3.09	2.90	2.92
Electrical machinery	1.95	1.94	1.94	1.95	4.52	4.46	4.48	4.50
Transportation equipment	2.05	2.25	2.11	2.21	11.85	12.59	11.98	12.84
Instruments and related products	2.02	2.09	2.06	2.08	2.09	2.15	2.15	2.19
Nondurable goods industries	1.09	1.12	1.12	1.12	0.68	0.67	0.70	0.70
Food and kindred products	0.79	0.80	0.79	0.79	(X)	(X)	(X)	(X)
Tobacco products	2.44	2.45	2.98	2.55	(X)	(X)	(X)	(X)
Textile mill products	1.67	1.69	1.63	1.63	(NA)	(NA)	(NA)	(NA)
Paper and allied products	1.15	1.15	1.17	1.15	(NA)	(NA)	(NA)	(NA)
Chemicals and allied products	1.26	1.32	1.32	1.32	(X)	(X)	(X)	(X)
Petroleum and coal products	0.76	0.89	0.88	0.90	(X)	(X)	(X)	(X)
Rubber and plastics products	1.38	1.34	1.38	1.39	(X)	(X)	(X)	(X)

[p]Preliminary. [r] Revised. (X) Not applicable. (NA) Not available.

[1]Excludes the following industries with no unfilled orders: Wood and lumber products; glass containers; metal cans, barrels and drums; farm machinery and equipment; motor vehicle assembly operations; other transportation equipment; foods and related products; tobacco; apparel and related products; building paper; die-cut paper and board; chemicals; petroleum and coal products; and rubber and plastics products.

Table 7. AVERAGE REVISIONS TO PREVIOUSLY PUBLISHED MONTHLY PERCENT CHANGES
(Based on seasonally adjusted data)

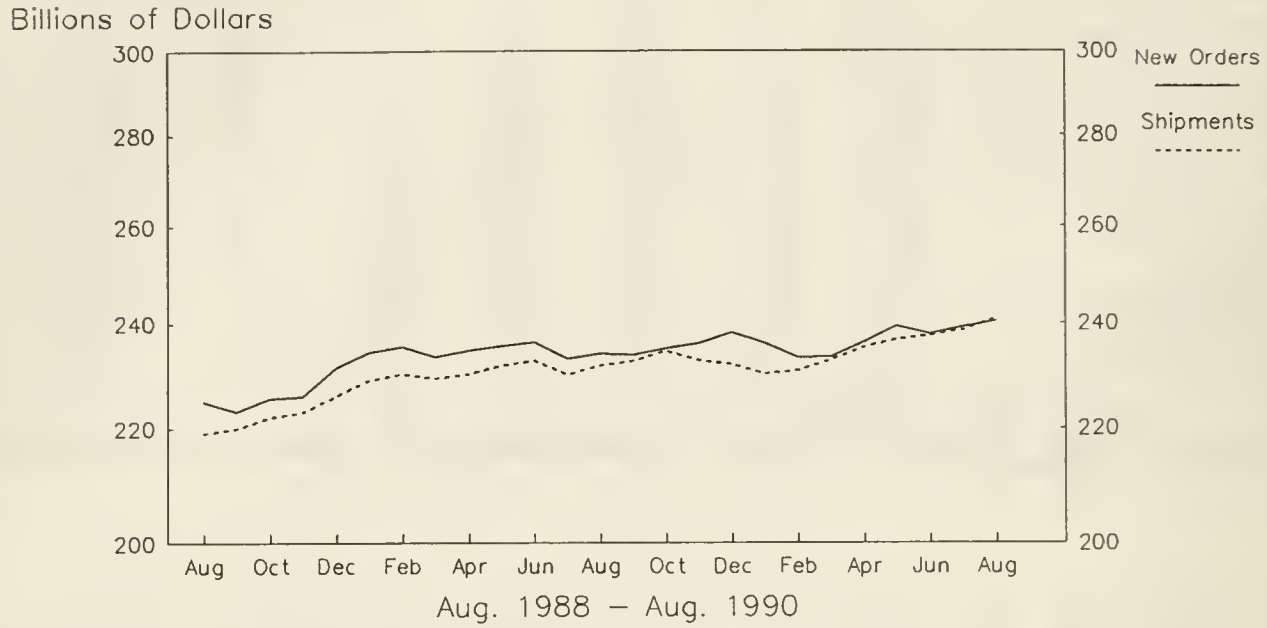
Industry	Shipments			New orders			Unfilled orders			Inventories		
	Aug. 1989	Aug.[1] 1985-1989	Aug. 1989-July 1990	Aug. 1989	Aug.[1] 1985-1989	Aug. 1989-July 1990	Aug. 1989	Aug.[1] 1985-1989	Aug. 1989-July 1990	Aug. 1989	Aug.[1] 1985-1989	Aug. 1989-July 1990
All manufacturing industries	0.2	0.2	0.2	0.2	0.3	0.3	0.0	0.1	0.1	0.0	0.1	0.1
Durable goods industries	0.1	0.1	0.1	0.2	0.4	0.4	0.1	0.1	0.1	0.0	0.1	0.1
Stone, clay, and glass products	0.3	1.3	0.5	0.7	1.4	0.6	0.4	0.6	0.4	0.0	0.2	0.2
Primary metals	0.2	0.2	0.4	0.2	0.5	0.5	0.0	0.3	0.2	0.2	0.2	0.1
Fabricated metal products	0.3	0.2	0.4	0.1	0.4	0.6	0.1	0.3	0.2	0.0	0.1	0.1
Machinery, except electrical	0.9	0.3	0.5	1.2	0.5	0.6	0.1	0.1	0.2	0.1	0.1	0.1
Electrical machinery	0.2	0.2	0.3	0.1	0.3	0.3	0.1	0.1	0.1	0.0	0.0	0.2
Transportation equipment	0.1	0.2	0.3	0.1	0.9	1.4	0.0	0.2	0.2	0.0	0.2	0.0
Instruments and related products	0.3	0.9	0.4	0.9	1.4	0.5	0.2	0.1	0.1	0.2	0.2	0.3
Nondurable goods industries	0.1	0.3	0.2	0.3	0.4	0.2	0.9	0.3	0.5	0.0	0.1	0.1
Food and kindred products	0.2	0.5	0.2	(X)	(X)	(X)	(X)	(X)	(X)	0.2	0.3	0.2
Tobacco products	1.0	0.2	0.4	(X)	(X)	(X)	(X)	(X)	(X)	0.6	0.1	0.1
Textile mill products	0.2	1.1	0.7	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	0.2	0.2	0.3
Paper and allied products	0.0	0.3	0.2	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	0.0	0.1	0.2
Chemicals and allied products	0.2	0.8	0.3	(X)	(X)	(X)	(X)	(X)	(X)	0.1	0.3	0.1
Petroleum and coal products	0.3	0.6	0.3	(X)	(X)	(X)	(X)	(X)	(X)	0.5	0.3	0.2
Rubber and plastics products	0.4	0.5	0.8	(X)	(X)	(X)	(X)	(X)	(X)	0.4	0.2	0.4
Capital goods industries:												
Nondefense	0.3	0.2	0.4	0.5	0.3	0.7	0.1	0.1	0.2	0.1	0.1	0.1
Defense	0.1	0.5	0.4	0.1	2.5	3.3	0.1	0.2	0.2	0.0	0.2	0.0

(X) Not applicable. (NA) Not available.

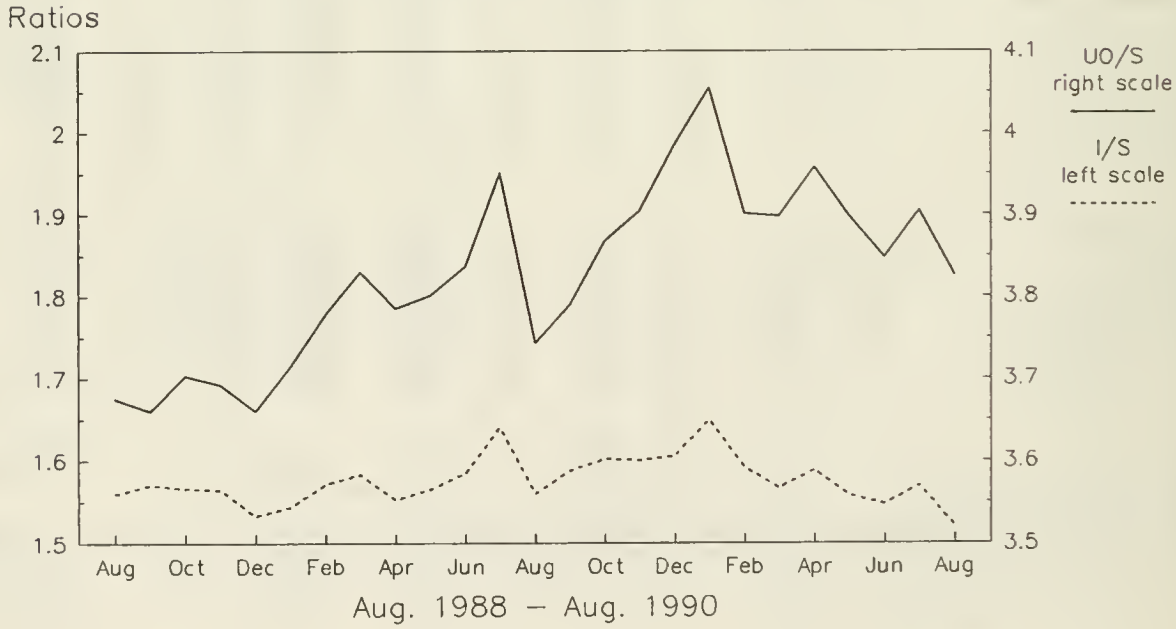
Note: The revisions are the differences between the month-to-month percent changes of the preliminary and final estimates. The monthly averages are the simple averages of the differences, without regard to sign, for the months specified. The advance to final percent change revisions for the durable goods industries are shown in the advance report for the month.

[1]Average for this month for the last five years.

Total Manufacturing
New Orders and Shipments
Three Month Moving Averages



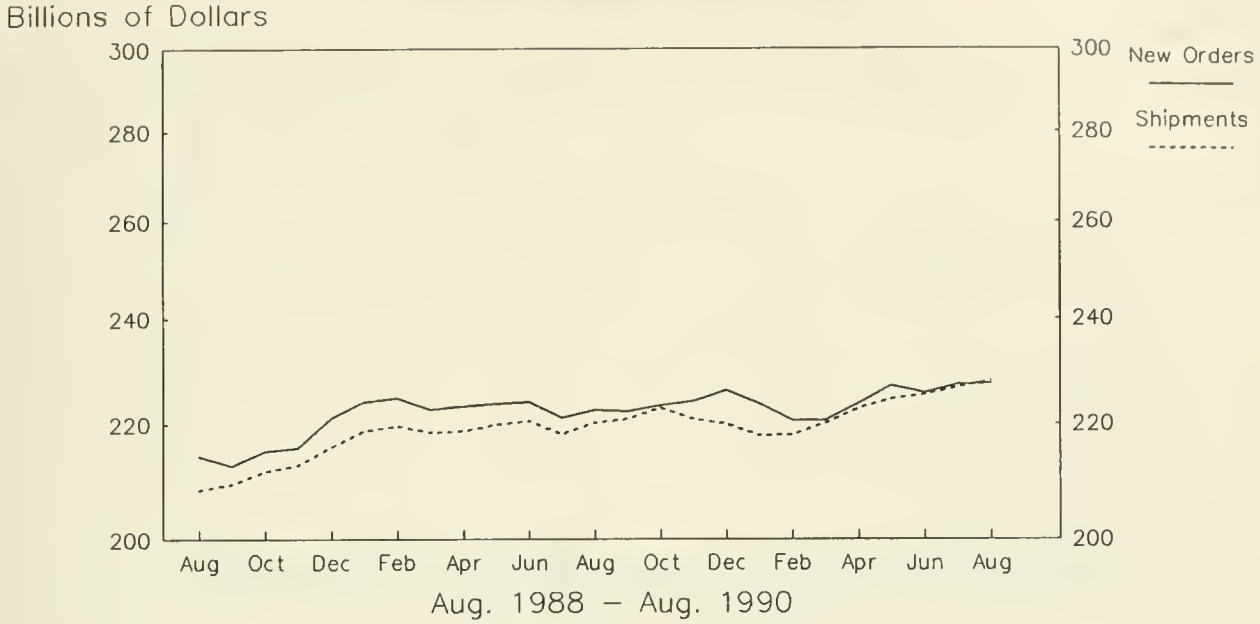
Total Manufacturing
Ratios of Unfilled Orders and
Inventories to Shipments



Note: All Charts based on seasonally adjusted current dollars.

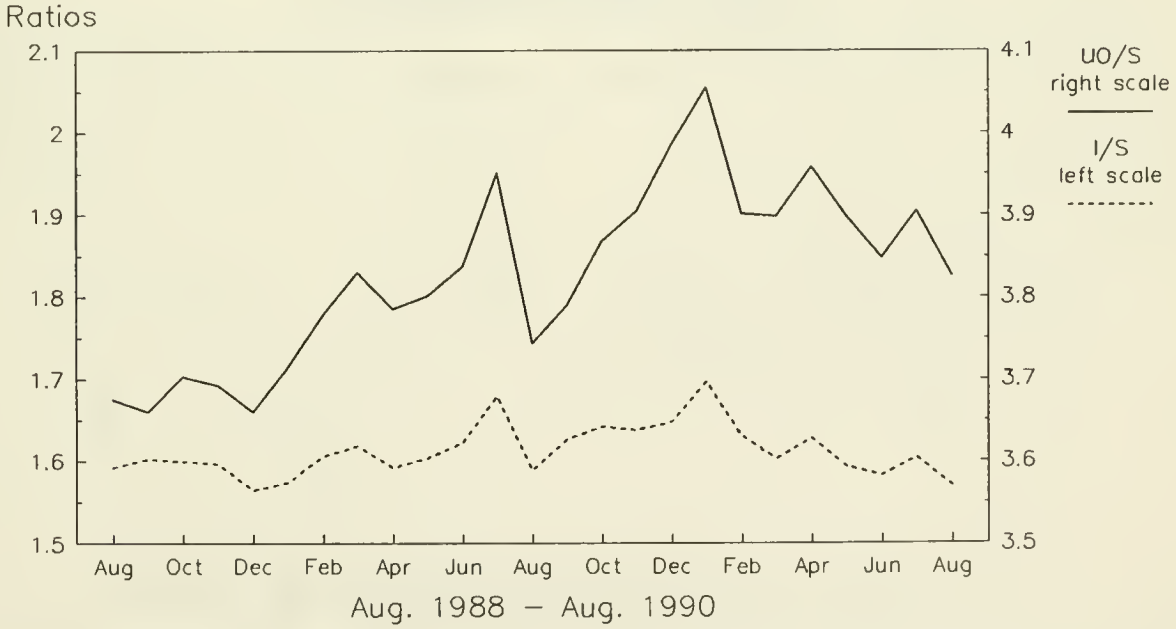
Total Manufacturing Excluding Petroleum Refining

New Orders and Shipments
Three Month Moving Averages



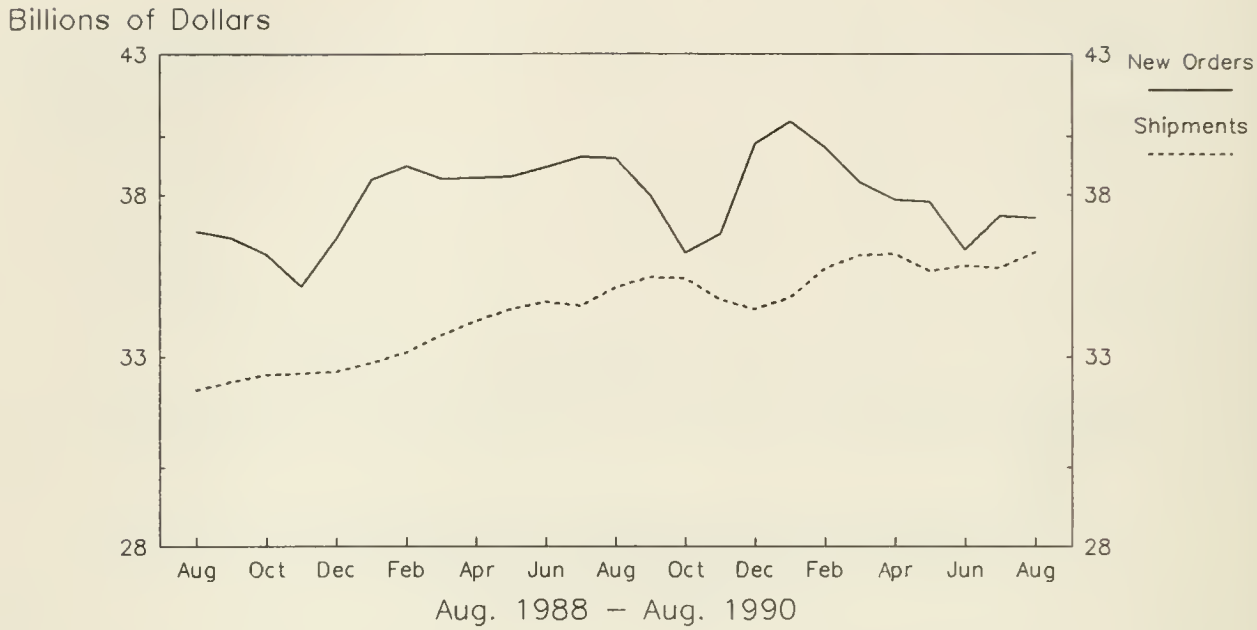
Total Manufacturing Excluding Petroleum Refining

Ratios of Unfilled Orders and
Inventories to Shipments

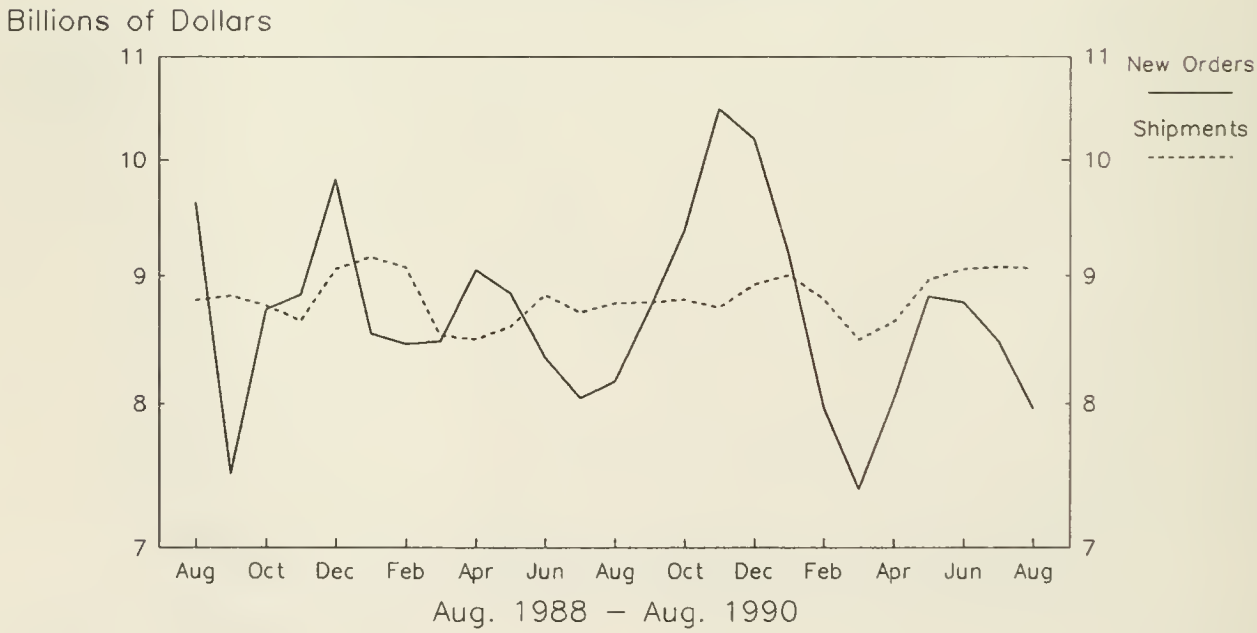


Note: All Charts based on seasonally adjusted current dollars.

Nondefense Capital Goods
New Orders and Shipments
Three Month Moving Averages

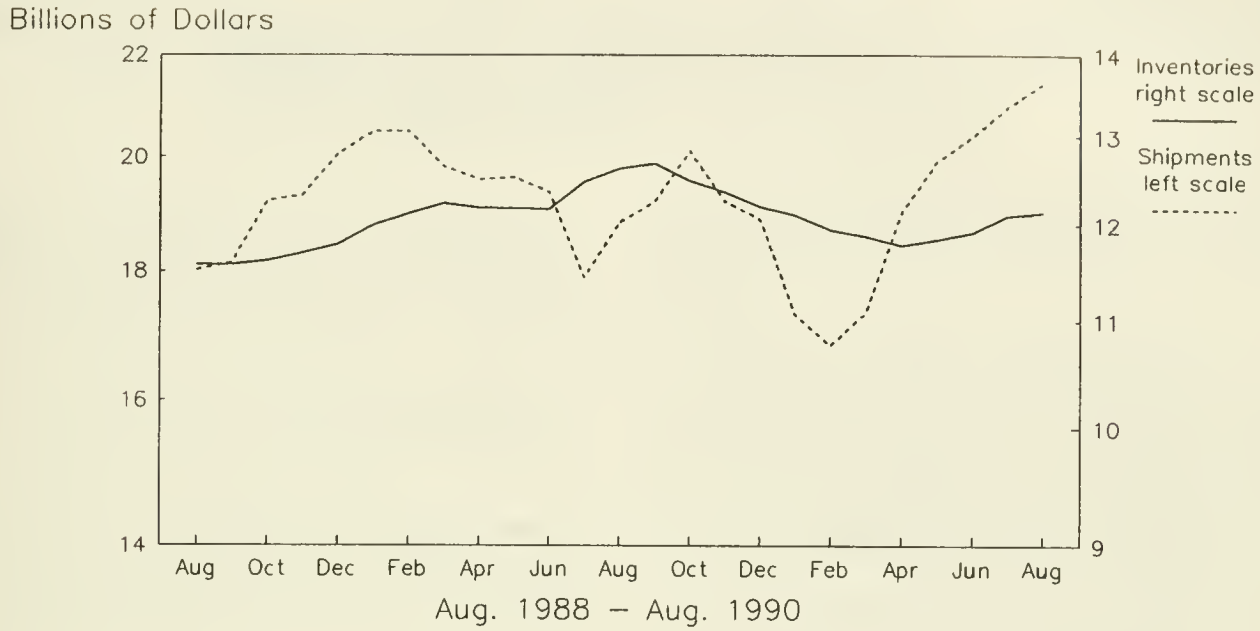


Defense Capital Goods
New Orders and Shipments
Three Month Moving Averages

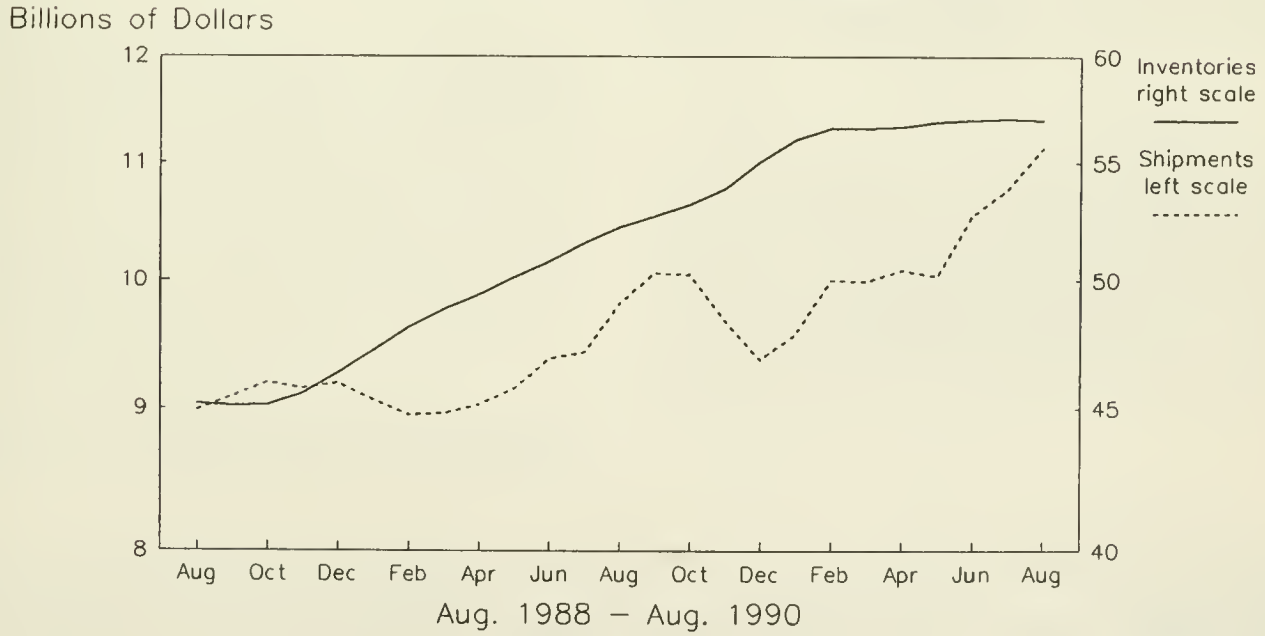


Note: All Charts based on seasonally adjusted current dollars.

Motor Vehicles and Parts
Shipments and Inventories
Three Month Moving Averages



Aircraft, Missiles and Parts
Shipments and Inventories
Three Month Moving Averages



Note: All Charts based on seasonally adjusted current dollars.

U.S. Department of Commerce
BUREAU OF THE CENSUS
Washington, D.C. 20233

Official Business

Penalty for Private Use, $300

U.S. MAIL

POSTAGE AND FEES P
U.S. DEPARTMENT OF COMME

COM-2

First Class Mail

158:M 3-1-(90)-9
nt Industrial Reports,...

Manufacturers' Shipments, Inventories, and Orders

SUPERINTENDENT OF DOCUMENTS DEPOSITORY
DEC 10 1990
BOSTON PUBLIC LIBRARY GOVERNMENT DOCUMENTS DEPARTMENT

U. S. Department of Commerce
BUREAU OF THE CENSUS

September 1990
M3-1-(90)-9
For Wire Transmissions 10:00 a.m. E.S.T. Wednesday, October 31, 1990

(All figures in text are in seasonally adjusted current dollars)

Summary

New orders for manufactured goods in September at $244.5 billion were nearly unchanged from August, the Department of Commerce, Bureau of the Census reported today. Price increases in the petroleum refining industry continued to heavily influence the data. Excluding petroleum, orders were down 1.1 percent.

Shipments were similarly influenced by the petroleum industry. Total shipments of manufactured goods were down $1.8 billion or 0.7 percent to $243.8 billion; excluding petroleum, shipments were down 1.9 percent.

Unfilled orders in September were up slightly, $0.7 billion or 0.1 percent to $519.3 billion. The order backlog had shown a steady upward trend for over three years beginning in March 1987, but has been relatively unchanged since May.

Manufacturers' inventories in September increased $2.2 billion or 0.6 percent to $376.5 billion. Much of the increase reflected price increases for petroleum. Excluding that industry, inventories were up 0.3 percent. The inventory to shipments ratio in September was 1.54, up from 1.52 in August.

New Orders

Within the durable goods sector, new orders decreased $1.8 billion or 1.4 percent to $125.2 billion, the third decline in the last four months. Transportation equipment and electrical machinery each had large declines. Transportation was down $2.4 billion or 6.8 percent to $32.8 billion; large declines in motor vehicles and parts and defense shipbuilding followed significant increases in these categories the previous month. The aircraft and parts industry increased $2.1 billion or 20.4 percent to $12.4 billion. The decline in electrical machinery of $1.3 billion or 6.3 percent to $19.4 billion was mostly attributable to communication equipment and electronic components.

Nonelectrical machinery increased $1.3 billion or 6.2 percent to $22.7 billion; orders for office and computing equipment were up 26.1 percent and engines and turbines 31.9 percent.

New orders for nondurables were up $1.9 billion or 1.6 percent to $119.3 billion; excluding petroleum there was a 0.7 percent decline.

Shipments

Shipments of durable goods dropped $4.1 billion or 3.2 percent to $124.5 billion. Most of the decline was in transportation equipment where motor vehicle shipments were down $3.2 billion or 14.3 percent to $19.0 billion. Motor vehicles and parts are quite volatile on a month to month basis during the third quarter model changeover period. Average monthly shipments for the third quarter for this industry are 6.9 percent higher than in 1989.

Shipments of nondurable goods were up $2.3 billion or 2.0 percent to $119.3 billion. Excluding the petroleum industry, there was a decline of 0.3 percent.

Unfilled Orders

Unfilled orders for durables in September were up slightly from August, $0.7 billion or 0.1 percent to $500.0 billion. The order backlog for nondefense capital goods increased $1.7 billion or 0.7 percent to $245.5 billion, mostly due to aircraft and parts and office and computing equipment. The defense order backlog declined $1.2 billion or 0.7 percent to $159.9 billion.

Inventories

Inventories of durable goods manufacturers in September were up 0.1 percent to $246.9 billion. By stage of fabrication, finished goods were down 0.5 percent, work in process up 0.6 percent and materials and supplies unchanged. Inventories of nondurable goods were up $1.9 billion or 1.5 percent to $129.6 billion; petroleum inventories at current cost increased 10.6 percent. The full effect of the increase in oil prices might not be reflected in the inventory values due to variations in the timing of price adjustment introductions.

The advance report on durable goods for October is scheduled for November 28, 1990 at 8:30 a.m. and the full report on December 5, 1990 at 10:00 a.m. Address inquiries concerning these figures to U.S. Department of Commerce, Bureau of the Census, Industry Division, Washington, DC 20233 or call Ruth Runyan or Kathleen Menth, (301) 763-2502 or (301) 763-2512.

For sale by the Superintendent of Documents, U.S. Government Printing Office, Washington, DC 20402. This report is also available the day of issue through the Department of Commerce's online Economic Bulletin Board (N-8-1) (202-377-3870) and through the Census Bureau's online information service-CENDATA. CENDATA is available from Dialog Information Services, INC. (1-800-334-2464) and CompuServe (1-800-848-8199). The CENDATA staff at the Bureau of the Census (301-763-2074) can provide content information and general guidance.

Table 1. VALUE OF MANUFACTURERS' SHIPMENTS FOR INDUSTRY GROUPS, MARKET CATEGORIES AND SUPPLEMENTARY SERIES
(Millions of dollars)

Industry	Seasonally adjusted						Not seasonally adjusted[1]						
	Monthly			Percent Change			Monthly				Percent change	Year to date	
	Sep. 1990p	Aug. 1990r	July 1990	Aug.-Sep.p	July-Aug.r	June-July	Sep. 1990p	Aug. 1990r	July 1990	Sep. 1989	Sep.90/89p	1990p	1989
All manufacturing industries	243,844	245,646	237,834	-0.7	+3.3	-0.7	258,094	242,350	216,329	247,693	+4.2	2,137,514	2,083,139
Manufacturing industries with unfilled orders	132,927	135,495	133,129	-1.9	+1.8	-1.0	142,439	132,638	118,766	139,942	+1.8	1,186,119	1,148,949
Durable goods industries	124,528	128,619	125,090	-3.2	+2.8	-1.7	132,574	123,910	109,067	132,337	+0.2	1,116,822	1,101,732
With unfilled orders	104,393	107,054	104,864	-2.5	+2.1	-1.3	112,458	103,719	92,339	111,259	+1.1	933,295	905,679
Stone, clay, and glass products	5,274	5,378	5,473	-1.9	-1.7	+0.8	5,606	5,656	5,159	5,715	-1.9	48,875	48,788
Primary metals	11,501	11,692	11,814	-1.6	-1.0	+3.4	11,757	11,682	10,810	12,210	-3.7	103,930	111,963
Blast furnaces, steel mills	4,659	4,765	4,754	-2.2	+0.2	+2.1	4,650	4,684	4,344	4,841	-3.9	42,280	45,637
Iron and steel foundries	856	845	883	+1.3	-4.3	+3.3	876	863	748	901	-2.8	7,487	7,852
Nonferrous and other primary metals	5,986	6,082	6,177	-1.6	-1.5	+4.4	6,231	6,135	5,718	6,468	-3.7	54,163	58,474
Fabricated metal products	14,249	14,236	14,202	+0.1	+0.2	-0.5	14,918	14,056	12,945	14,581	+2.3	127,782	121,640
Machinery, except electrical	22,268	22,489	21,239	-1.0	+5.9	-3.9	24,528	20,921	18,959	24,436	+0.4	199,974	198,675
Engines and turbines	1,390	1,345	1,191	+3.3	+12.9	-12.2	1,473	1,272	972	1,503	-2.0	11,821	12,335
Construction, mining and material handling equipment	2,907	3,063	2,512	-5.1	+21.9	-15.0	2,904	2,821	2,597	2,813	+3.2	26,824	24,687
Metalworking machinery	1,042	1,093	1,107	-4.7	-1.3	+2.2	1,118	1,001	926	1,117	+0.1	9,299	9,017
Office and computing machines	6,072	5,843	5,634	+3.9	+3.7	-8.0	7,979	5,252	4,398	7,855	+1.6	52,309	51,198
Electrical machinery	20,604	20,409	20,604	+1.0	-0.9	0.0	22,747	20,136	18,324	22,314	+1.9	182,361	177,229
Electrical transmission and distribution equipment and industrial apparatus	2,561	2,486	2,529	+3.0	-1.7	-4.1	2,838	2,381	2,230	2,709	+4.8	22,872	22,613
Household appliances	1,520	1,496	1,623	+1.6	-7.8	-0.7	1,634	1,545	1,574	1,653	-1.1	14,770	14,592
Radio and TV	1,068	991	1,038	+7.8	-4.5	+1.4	1,427	1,030	841	1,360	+4.9	8,797	8,940
Communication equipment	7,003	6,884	6,946	+1.7	-0.9	+4.1	7,692	6,666	6,029	7,435	+3.5	60,568	56,698
Electronic components	4,989	5,099	5,008	-2.2	+1.8	-1.0	5,333	5,082	4,667	5,283	+0.9	45,215	43,562
Other electrical machinery	3,463	3,453	3,460	+0.3	-0.2	-3.3	3,823	3,432	2,983	3,874	-1.3	30,139	30,824
Transportation equipment	32,127	35,554	33,114	-9.6	+7.4	-4.5	33,327	32,485	25,469	33,365	-0.1	285,410	278,314
Motor vehicles and parts	18,991	22,165	20,433	-14.3	+8.5	-4.3	19,562	20,041	14,069	19,962	-2.0	174,821	175,850
Aircraft, missiles, and parts	10,963	11,351	10,747	-3.4	+5.6	-4.3	11,588	10,427	9,582	11,104	+4.4	92,006	82,738
Shipbuilding and military tank vehicles	1,004	949	957	+5.8	-0.8	-4.3	1,007	954	901	969	+3.9	8,390	8,235
Instruments and related products	6,525	6,701	6,568	-2.6	+2.0	-1.1	7,013	6,468	6,102	7,055	-0.6	59,144	57,031
Scientific and engineering instruments	4,329	4,467	4,459	-3.1	+0.2	0.0	4,645	4,417	4,152	4,750	-2.2	39,901	38,100
All other durable goods	11,980	12,160	12,076	-1.5	+0.7	-0.4	12,678	12,506	11,299	12,661	+0.1	109,346	108,092
Nondurable goods industries	119,316	117,027	112,744	+2.0	+3.8	+0.5	125,520	118,440	107,262	115,356	+8.8	1,020,692	981,407
With unfilled orders	28,534	28,441	28,265	+0.3	+0.6	+0.3	29,981	28,919	26,427	28,683	+4.5	252,824	243,270
Food and kindred products	34,177	34,204	33,806	-0.1	+1.2	-0.6	36,407	34,117	32,451	34,416	+5.8	302,819	289,269
Dairy products	4,787	4,847	4,844	-1.2	+0.1	0.0	4,902	4,897	4,865	4,533	+8.1	43,557	38,797
Beverages	4,337	4,221	4,161	+2.7	+1.4	-1.7	4,398	4,508	4,461	4,208	+4.5	38,824	38,808
All other foods	16,111	16,195	16,072	-0.5	+0.8	+0.9	17,931	15,561	14,441	17,168	+4.4	141,489	135,321
Tobacco products	2,128	2,384	2,338	-10.7	+2.0	+21.9	2,451	2,294	1,635	2,331	+5.1	18,752	17,100
Textile mill products	4,830	4,959	4,899	-2.6	+1.2	-3.6	5,286	5,214	4,210	5,754	-8.1	45,539	47,897
Broadwoven fabrics	2,856	2,938	2,885	-2.8	+1.8	+0.2	3,125	3,038	2,383	3,424	-8.7	26,498	28,959
Paper and allied products	11,088	11,086	11,129	0.0	-0.4	+2.2	11,286	11,180	10,735	11,091	+1.8	99,089	98,610
Pulp, paper etc.	4,869	4,794	4,729	+1.6	+1.4	+0.5	4,867	4,785	4,602	4,761	+2.2	42,477	43,915
Paperboard containers	2,612	2,662	2,659	-1.9	+0.1	+3.6	2,709	2,768	2,525	2,667	+1.6	24,143	24,378
All other paper products	3,607	3,630	3,741	-0.6	-3.0	+3.5	3,710	3,627	3,608	3,663	+1.3	32,469	30,317
Chemicals and allied products	22,927	22,963	22,063	-0.2	+4.1	+0.5	23,622	22,721	20,612	21,837	+8.2	199,760	194,060
Industrial chemicals, except pigments	6,232	6,180	5,691	+0.8	+8.6	+0.7	6,213	6,042	5,542	5,457	+13.9	52,713	53,217
Drugs, soaps, and toiletries	7,125	7,421	7,389	-4.0	+0.4	+3.3	8,108	7,604	6,755	7,970	+1.7	65,040	60,961
Other chemical products	6,349	6,083	5,726	+4.4	+6.2	-2.7	6,425	6,026	5,348	5,643	+13.9	53,102	51,381
Petroleum and coal products	17,606	14,969	11,952	+17.6	+25.2	+0.4	17,977	15,591	12,349	12,076	+48.9	118,819	102,651
Rubber and plastics products	7,568	7,576	7,790	-0.1	-2.7	+4.0	7,861	7,550	7,075	8,249	-4.7	68,614	73,482
All other nondurable goods	18,992	18,886	18,767	+0.6	+0.6	-0.9	20,630	19,773	18,195	19,602	+5.2	167,300	158,338
Market categories:													
Home goods and apparel	14,231	14,352	14,396	-0.8	-0.3	-2.1	16,144	15,465	13,483	16,679	-3.2	130,353	132,740
Consumer staples	48,719	49,198	48,756	-1.0	+0.9	+1.1	52,572	49,200	45,812	49,886	+5.4	432,448	407,593
Equipment and defense prod. except automotive	40,727	41,115	40,063	-0.9	+2.6	-2.0	44,300	39,029	36,098	44,095	+0.5	361,172	343,971
Automotive equipment	21,278	24,414	22,660	-12.8	+7.7	-3.3	21,977	22,372	16,169	22,407	-1.9	195,455	197,434
Construction materials, supplies and intermediate products	16,967	17,310	17,563	-2.0	-1.4	-0.3	17,891	17,888	17,111	18,533	-3.5	158,809	158,772
Other materials, supplies, and intermediate products	101,922	99,257	94,396	+2.7	+5.1	-0.2	105,210	98,396	87,656	96,093	+9.5	859,277	842,629
Supplementary series:[2]													
Capital goods industries	45,594	45,826	44,048	-0.5	+4.0	-3.7	49,858	43,270	39,422	48,985	+1.8	398,305	384,225
Nondefense	36,618	36,719	35,095	-0.3	+4.6	-4.2	40,422	34,619	31,458	39,324	+2.8	320,992	307,692
Excluding aircraft and parts	30,584	30,540	29,367	+0.1	+4.0	-4.4	33,986	29,106	26,303	33,405	+1.7	272,640	266,752
Defense	8,976	9,107	8,953	-1.4	+1.7	-1.6	9,436	8,651	7,964	9,661	-2.3	77,313	76,533
Household durable goods industries	6,895	6,838	6,898	+0.8	-0.9	-0.3	7,908	7,049	5,886	7,795	+1.4	61,916	61,61[illegible]

See footnotes at end of table 2.

Table 2. VALUE OF MANUFACTURERS' NEW ORDERS FOR INDUSTRY GROUPS, MARKET CATEGORIES AND SUPPLEMENTARY SERIES
(Millions of dollars)

Industry	Seasonally adjusted						Not seasonally adjusted[1]						
	Monthly			Percent Change			Monthly				Percent change	Year to date	
	Sep. 1990[p]	Aug. 1990[r]	July 1990	Aug.-Sep.[p]	July-Aug.[r]	June-July	Sep. 1990[p]	Aug. 1990[r]	July 1990	Sep. 1989	Sep.90/89[p]	1990[p]	1989
All manufacturing industries	244,514	244,355	240,238	+0.1	+1.7	+1.5	258,796	237,996	218,472	247,945	+4.4	2,144,048	2,112,345
Manufacturing industries with unfilled orders	133,597	134,204	135,533	-0.5	-1.0	+3.0	143,141	128,284	120,909	140,194	+2.1	1,192,653	1,178,155
Durable goods industries	125,210	126,979	128,094	-1.4	-0.9	+2.7	133,411	119,189	111,571	132,753	+0.5	1,122,977	1,129,970
With unfilled orders	105,075	105,414	107,868	-0.3	-2.3	+4.0	113,295	98,998	94,843	111,675	+1.5	939,450	933,917
Stone, clay, and glass products	5,443	5,492	5,553	-0.9	-1.1	+1.8	5,719	5,821	5,208	5,732	-0.2	49,143	48,408
Primary metals	11,389	11,513	11,813	-1.1	-2.5	+2.7	11,256	10,883	10,581	11,298	-0.4	104,105	109,439
Blast furnaces, steel mills	4,556	4,856	4,840	-6.2	+0.3	+1.0	4,287	4,553	4,343	4,340	-1.2	42,564	43,225
Iron and steel foundries	864	983	884	-12.1	+11.2	+0.1	871	981	750	849	+2.6	7,975	7,987
Nonferrous and other primary metals	5,969	5,674	6,089	+5.2	-6.8	+4.6	6,098	5,349	5,488	6,109	-0.2	53,566	58,227
Fabricated metal products	14,764	13,980	14,466	+5.6	-3.4	+2.1	15,213	13,641	13,459	14,057	+8.2	127,808	119,324
Machinery, except electrical	22,678	21,351	22,533	+6.2	-5.2	+3.5	24,719	19,889	20,211	24,382	+1.4	199,561	201,301
Engines and turbines	1,650	1,251	1,858	+31.9	-32.7	+36.8	1,741	1,332	1,733	1,670	+4.3	13,064	14,147
Construction, mining and material handling equipment	2,839	2,884	2,564	-1.6	+12.5	-19.2	2,793	2,506	2,669	2,740	+1.9	26,494	25,459
Metalworking machinery	1,070	1,051	945	+1.8	+11.2	-10.8	1,198	1,011	820	1,240	-3.4	9,029	9,216
Office and computing machines	6,769	5,367	6,342	+26.1	-15.4	+10.7	8,613	4,797	5,141	7,834	+9.9	53,198	50,656
Electrical machinery	19,387	20,699	20,295	-6.3	+2.0	+1.5	21,568	19,459	17,758	23,204	-7.1	178,952	175,163
Electrical transmission and distribution equipment and industrial apparatus	2,541	2,575	2,616	-1.3	-1.6	+9.0	2,813	2,495	2,347	2,675	+5.2	22,900	22,755
Communication equipment	6,013	6,783	6,860	-11.4	-1.1	+1.6	7,047	5,758	5,456	8,509	-17.2	56,747	54,918
Electronic components	4,711	5,451	4,648	-13.6	+17.3	+2.0	4,844	5,138	4,396	5,212	-7.1	45,039	42,991
Other electrical machinery	3,518	3,516	3,570	+0.1	-1.5	+0.6	3,841	3,527	3,128	3,899	-1.5	30,597	30,937
Transportation equipment	32,773	35,162	34,812	-6.8	+1.0	+4.6	35,182	30,898	26,771	34,466	+2.1	294,160	310,055
Aircraft, missiles, and parts.	12,425	10,320	13,115	+20.4	-21.3	+21.9	14,379	8,260	11,171	12,761	+12.7	102,251	115,656
Shipbuilding and military tank vehicles	608	1,748	599	-65.2	191.8	+6.6	532	1,818	768	769	-30.8	8,182	7,779
Instruments and related products	6,691	6,607	6,432	+1.3	+2.7	+1.4	7,287	6,264	5,996	7,167	+1.7	58,894	56,705
Scientific and engineering instruments	4,414	4,355	4,358	+1.4	-0.1	+2.5	4,799	4,230	4,088	4,795	+0.1	39,578	37,776
All other durable goods	12,085	12,175	12,190	-0.7	-0.1	+0.3	12,467	12,334	11,587	12,447	+0.2	110,354	109,575
Nondurable goods industries	119,304	117,376	112,144	+1.6	+4.7	+0.2	125,385	118,807	106,901	115,192	+8.8	1,021,071	982,375
With unfilled orders	28,522	28,790	27,665	-0.9	+4.1	-0.8	29,846	29,286	26,066	28,519	+4.7	253,203	244,238
Market categories:													
Home goods and apparel	14,527	14,457	14,326	+0.5	+0.9	-3.5	16,106	15,400	13,660	16,314	-1.3	131,533	134,497
Consumer staples	48,719	49,227	48,762	-1.0	+1.0	+0.9	52,531	49,276	45,882	49,815	+5.5	432,383	407,657
Equipment and defense prod. except automotive	40,982	39,130	42,982	+4.7	-9.0	+8.7	46,123	35,415	38,162	46,442	-0.7	363,014	367,562
Automotive equipment	21,007	24,297	22,481	-13.5	+8.1	-2.5	21,665	22,131	16,148	22,220	-2.5	194,521	196,259
Construction materials, supplies and intermediate products	17,421	17,492	17,680	-0.4	-1.1	+0.9	18,180	18,027	17,142	18,413	-1.3	158,836	157,421
Other materials, supplies, and intermediate products	101,858	99,752	94,007	+2.1	+6.1	+0.8	104,191	97,747	87,478	94,741	+10.0	863,761	848,949
Supplementary series:													
Capital goods industries	46,181	44,243	47,315	+4.4	-6.5	+7.4	51,793	40,001	41,702	50,985	+1.6	403,904	417,019
Nondefense	38,367	35,871	39,840	+7.0	-10.0	+10.1	42,109	33,883	36,223	38,884	+8.3	336,218	344,287
Excluding aircraft and parts	30,535	29,609	30,660	+3.1	-3.4	+2.7	33,875	28,287	27,616	33,617	+0.8	271,868	271,566
Defense	7,814	8,372	7,475	-6.7	+12.0	-5.1	9,684	6,118	5,479	12,101	-20.0	67,686	72,732
Household durable goods industries	7,009	6,826	6,940	+2.7	-1.6	-2.1	7,667	6,897	6,087	7,459	+2.8	62,789	62,881

[p] Preliminary. [r] Revised.

[1] Shipments and new orders are the totals for the period and are adjusted for trading-day and calendar-month variations; unfilled orders and inventories are as of the end of the period and are not adjusted for trading-day or calendar-month variations.

[2] The supplementary series are regroupings of the separate industry categories:

Nondefense capital goods include machinery, except electrical (excluding farm machinery and equipment and machine shops); electrical machinery (excluding household appliances, radio and TV, and electronic components); railroad equipment; and the nondefense portions of ordnance; communication equipment; aircraft, missiles and parts; tanks, and shipbuilding, converting and repairing.

Defense capital goods include ordnance; communication equipment; aircraft, missiles and parts; tanks, and shipbuilding, converting and repairing.

Household durable goods industries include household furniture; kitchen articles and pottery; cutlery, handtools, and hardware; household appliances; radio and TV; ophthalmic goods; watches and clocks; and miscellaneous personal goods.

Table 3. VALUE OF MANUFACTURERS' UNFILLED ORDERS FOR INDUSTRY GROUPS, MARKET CATEGORIES AND SUPPLEMENTARY SERIES
(Millions of dollars)

Industry	Seasonally adjusted						Not seasonally adjusted[1]				
	Monthly			Percent Change			Monthly				Percent change
	Sep. 1990p	Aug. 1990r	July 1990	Aug.-Sep.p	July-Aug.r	June-July	Sep. 1990p	Aug. 1990r	July 1990	Sep. 1989	Sep.90/89p
All manufacturing industries	519,333	518,663	519,954	+0.1	-0.2	+0.5	516,476	515,774	520,128	493,140	+4.7
Durable goods industries	499,993	499,311	500,951	+0.1	-0.3	+0.6	496,779	495,942	500,663	472,195	+5.2
Stone, clay, and glass products	5,395	5,226	5,112	+3.2	+2.2	+1.6	5,415	5,302	5,137	5,232	+3.5
Primary metals	23,238	23,350	23,529	-0.5	-0.8	0.0	22,244	22,745	23,544	22,620	-1.7
Blast furnaces, steel mills	9,483	9,586	9,495	-1.1	+1.0	+0.9	8,838	9,201	9,332	8,313	+6.3
Iron and steel foundries	2,790	2,782	2,644	+0.3	+5.2	0.0	2,759	2,764	2,646	2,315	+19.2
Nonferrous and other primary metals	10,965	10,982	11,390	-0.2	-3.6	-0.8	10,647	10,780	11,566	11,992	-11.2
Fabricated metal products	25,553	25,038	25,294	+2.1	-1.0	+1.1	25,438	25,143	25,558	25,876	-1.7
Machinery, except electrical	60,726	60,316	61,454	+0.7	-1.9	+2.2	60,440	60,249	61,281	61,905	-2.4
Engines and turbines	7,936	7,676	7,770	+3.4	-1.2	+9.4	7,942	7,674	7,614	6,414	+23.8
Construction, mining and material handling equipment	9,000	9,068	9,247	-0.7	-1.9	+0.6	8,802	8,913	9,228	9,295	-5.3
Metalworking machinery	4,102	4,074	4,116	+0.7	-1.0	-3.8	4,262	4,182	4,172	4,781	-10.9
Office and computing machines	13,143	12,446	12,922	+5.6	-3.7	+5.8	13,196	12,562	13,017	12,528	+5.3
Electrical machinery	90,982	92,199	91,909	-1.3	+0.3	-0.3	90,082	91,261	91,938	90,324	-.3
Electrical transmission and distribution equipment and industrial apparatus	6,839	6,859	6,770	-0.3	+1.3	+1.3	6,839	6,864	6,750	6,990	-2.2
Communication equipment	64,057	65,047	65,148	-1.5	-0.2	-0.1	63,193	63,838	64,746	63,756	-.9
Electronic components	13,803	14,081	13,729	-2.0	+2.6	-2.6	13,693	14,182	14,126	13,834	-1.0
Other electrical machinery	5,382	5,327	5,264	+1.0	+1.2	+2.1	5,420	5,402	5,307	4,777	+13.5
Transportation equipment	272,550	271,904	272,296	+0.2	-0.1	+0.6	271,516	269,661	271,248	244,208	+11.2
Aircraft, missiles, and parts.	236,430	234,968	235,999	+0.6	-0.4	+1.0	235,292	232,501	234,668	208,050	+13.1
Shipbuilding and military tank vehicles	26,909	27,305	26,506	-1.5	+3.0	-1.3	27,165	27,640	26,776	25,781	+5.4
Instruments and related products	14,223	14,057	14,151	+1.2	-0.7	-1.0	14,270	13,996	14,200	14,374	-.7
Scientific and engineering instruments	13,270	13,185	13,297	+0.6	-0.8	-0.8	13,257	13,103	13,290	13,323	-.5
All other durable goods	7,326	7,221	7,206	+1.5	+0.2	+1.6	7,374	7,585	7,757	7,656	-3.7
Nondurable goods industries	19,340	19,352	19,003	-0.1	+1.8	-3.1	19,697	19,832	19,465	20,945	-6.0
Market categories:											
Home goods and apparel	7,819	7,523	7,418	+3.9	+1.4	-0.9	7,956	7,994	8,059	8,332	-4.5
Consumer staples	793	793	764	0.0	+3.8	+0.8	814	855	779	908	-10.4
Equipment and defense prod. except automotive	332,571	332,316	334,301	+0.1	-0.6	+0.9	330,865	329,042	332,656	310,288	+6.6
Automotive equipment	6,900	7,171	7,288	-3.8	-1.6	-2.4	6,748	7,060	7,301	7,688	-12.2
Construction materials, supplies and intermediate products	13,907	13,453	13,271	+3.4	+1.4	+0.9	13,786	13,497	13,358	13,790	.0
Other materials, supplies, and intermediate products	157,343	157,407	156,912	0.0	+0.3	-0.2	156,307	157,326	157,975	152,134	+2.7
Supplementary series:											
Capital goods industries	405,406	404,819	406,402	+0.1	-0.4	+0.8	403,410	401,475	404,744	377,037	+7.0
Nondefense	245,468	243,719	244,567	+0.7	-0.3	+2.0	245,474	243,787	244,523	215,368	+14.0
Excluding aircraft and parts	90,642	90,691	91,622	-0.1	-1.0	+1.4	90,648	90,759	91,578	91,554	-1.0
Defense	159,938	161,100	161,835	-0.7	-0.5	-0.9	157,936	157,688	160,221	161,669	-2.3
Household durable goods industries	5,554	5,440	5,452	+2.1	-0.2	+0.8	5,549	5,790	5,942	5,995	-7.4

See footnotes at end of table 2.

Table 4. VALUE OF MANUFACTURERS' INVENTORIES FOR INDUSTRY GROUPS, MARKET CATEGORIES AND SUPPLEMENTARY SERIES
(Millions of dollars)

Industry	Seasonally adjusted						Not seasonally adjusted[1]				
	Monthly			Percent Change			Monthly				Percent change
	Sep. 1990p	Aug. 1990r	July 1990	Aug.-Sep.p	July-Aug.r	June-July	Sep. 1990p	Aug. 1990r	July 1990	Sep. 1989	Sep.90/89p
All manufacturing industries	376,530	374,298	373,285	+0.6	+0.3	+0.7	374,912	375,909	374,549	369,102	+1.6
Manufacturing industries with unfilled orders	259,807	259,821	259,868	0.0	0.0	+0.6	259,130	261,864	261,994	257,345	+.7
Durable goods industries	246,937	246,653	246,456	+0.1	+0.1	+0.6	245,859	247,822	247,431	244,580	+.5
With unfilled orders	227,804	227,780	227,668	0.0	0.0	+0.5	227,211	229,329	229,163	226,077	+.5
Stone, clay, and glass products	7,904	7,820	7,751	+1.1	+0.9	0.0	7,722	7,769	7,845	7,637	+1.1
Primary metals	21,406	21,149	20,826	+1.2	+1.6	+1.1	21,329	21,101	20,870	20,947	+1.8
Blast furnaces, steel mills	10,827	10,669	10,508	+1.5	+1.5	+1.2	10,881	10,713	10,574	10,668	+2.0
Iron and steel foundries	1,379	1,361	1,340	+1.3	+1.6	-1.8	1,331	1,331	1,319	1,329	+.2
Nonferrous and other primary metals	9,200	9,119	8,978	+0.9	+1.6	+1.4	9,117	9,057	8,977	8,950	+1.9
Fabricated metal products	23,425	23,554	23,494	-0.5	+0.3	+0.6	23,231	23,450	23,449	23,729	-2.1
Machinery, except electrical	47,775	47,688	47,627	+0.2	+0.1	+0.3	47,424	47,901	47,754	47,986	-1.2
Engines and turbines	3,083	3,073	3,046	+0.3	+0.9	+0.4	3,150	3,188	3,140	3,168	-.6
Construction, mining and material handling equipment	7,623	7,567	7,572	+0.7	-0.1	-0.7	7,562	7,528	7,481	7,576	-.2
Metalworking machinery	3,154	3,136	3,119	+0.6	+0.5	-0.9	3,182	3,223	3,182	3,188	-.2
Office and computing machines	12,532	12,530	12,403	0.0	+1.0	+2.1	12,432	12,799	12,556	12,440	-.1
Electrical machinery	39,864	39,857	39,976	0.0	-0.3	+0.1	39,762	40,307	40,380	41,220	-3.5
Electrical transmission and distribution equipment and industrial apparatus	4,989	5,020	5,062	-0.6	-0.8	+0.7	4,929	5,009	5,052	5,063	-2.6
Household appliances	2,766	2,768	2,727	-0.1	+1.5	-4.1	2,622	2,703	2,714	2,959	-11.4
Radio and TV	1,809	1,803	1,778	+0.3	+1.4	-1.8	1,836	1,910	1,897	1,842	-.3
Communication equipment	15,048	15,016	14,997	+0.2	+0.1	-0.7	15,187	15,281	15,168	16,301	-6.8
Electronic components	8,898	8,843	9,029	+0.6	-2.1	+2.1	8,898	8,955	9,076	8,797	+1.1
Other electrical machinery	6,354	6,407	6,383	-0.8	+0.4	+1.3	6,290	6,449	6,473	6,258	+.5
Transportation equipment	73,793	73,999	74,388	-0.3	-0.5	+1.5	73,812	74,563	74,521	70,096	+5.3
Motor vehicles and parts	12,061	12,136	12,415	-0.6	-2.2	+4.8	12,098	12,110	11,923	12,354	-2.1
Aircraft, missiles, and parts	57,076	57,100	57,174	0.0	-0.1	+0.7	57,002	57,639	57,810	53,150	+7.2
Shipbuilding and military tank vehicles	2,585	2,637	2,588	-2.0	+1.9	+1.6	2,652	2,692	2,635	2,406	+10.2
Instruments and related products	13,532	13,587	13,695	-0.4	-0.8	0.0	13,508	13,690	13,739	14,285	-5.4
Scientific and engineering instruments	10,121	10,164	10,233	-0.4	-0.7	+0.5	10,060	10,158	10,209	10,376	-3.0
All other durable goods	19,238	18,999	18,699	+1.3	+1.6	-0.5	19,071	19,041	18,873	18,680	+2.1
Nondurable goods industries	129,593	127,645	126,829	+1.5	+0.6	+0.8	129,053	128,087	127,118	124,522	+3.6
With unfilled orders	32,003	32,041	32,200	-0.1	-0.5	+1.5	31,919	32,535	32,831	31,268	+2.1
Food and kindred products	27,639	27,256	27,079	+1.4	+0.7	+0.8	28,022	27,498	26,390	26,831	+4.4
Dairy products	2,980	2,936	2,890	+1.5	+1.6	+2.3	2,935	2,961	2,968	2,410	+21.8
Beverages	4,310	4,348	4,314	-0.9	+0.8	+1.5	4,297	4,247	4,234	4,278	+.4
All other foods	15,630	15,341	15,378	+1.9	-0.2	-0.2	16,443	15,968	14,892	16,288	+1.0
Tobacco products	5,817	5,852	5,722	-0.6	+2.3	+0.2	5,689	5,549	5,322	5,442	+4.5
Textile mill products	8,399	8,335	8,302	+0.8	+0.4	+0.1	8,277	8,427	8,506	7,941	+4.2
Broadwoven fabrics	4,678	4,621	4,628	+1.2	-0.2	+0.3	4,580	4,648	4,712	4,481	+2.2
Paper and allied products	12,763	12,747	12,842	+0.1	-0.7	+0.5	12,580	12,684	12,877	12,366	+1.7
Pulp, paper etc.	5,223	5,200	5,182	+0.4	+0.3	+1.6	5,094	5,129	5,154	4,781	+6.5
Paperboard containers	3,118	3,131	3,191	-0.4	-1.9	-0.6	3,134	3,144	3,217	3,266	-4.0
All other paper products	4,422	4,416	4,469	+0.1	-1.2	+0.2	4,352	4,411	4,506	4,319	+.8
Chemicals and allied products	29,367	29,109	29,199	+0.9	-0.3	+0.7	28,906	29,005	29,367	28,844	+.2
Industrial chemicals, except pigments	7,572	7,468	7,526	+1.4	-0.8	+0.8	7,511	7,439	7,596	8,148	-7.8
Drugs, soaps, and toiletries	10,184	10,089	10,064	+0.9	+0.2	+1.0	10,011	10,216	10,244	9,561	+4.7
Other chemical products	7,338	7,306	7,333	+0.4	-0.4	+0.6	7,235	7,265	7,396	7,293	-.8
Petroleum and coal products	12,587	11,379	10,648	+10.6	+6.9	+1.3	12,539	11,419	10,787	10,289	+21.9
Rubber and plastics products	10,590	10,459	10,435	+1.3	+0.2	+0.7	10,463	10,362	10,419	10,451	+.1
All other nondurable goods	22,431	22,508	22,602	-0.3	-0.4	+1.6	22,577	23,143	23,450	22,358	+1.0
Market categories:											
Home goods and apparel	27,304	27,273	27,197	+0.1	+0.3	-1.0	27,035	27,648	28,046	27,154	-.4
Consumer staples	47,714	47,305	47,060	+0.9	+0.5	+1.0	48,048	47,686	46,446	46,038	+4.4
Equipment and defense prod. except automotive	113,542	113,617	113,508	-0.1	+0.1	+0.4	112,924	114,120	114,167	111,607	+1.2
Automotive equipment	15,027	15,152	15,482	-0.8	-2.1	+4.3	15,031	15,132	14,912	15,379	-2.3
Construction materials, supplies and intermediate products	26,368	26,030	25,679	+1.3	+1.4	0.0	25,938	25,914	25,757	25,483	+1.8
Other materials, supplies, and intermediate products	146,575	144,921	144,359	+1.1	+0.4	+1.0	145,936	145,409	145,221	143,441	+1.7
Supplementary series:[2]											
Capital goods industries	131,572	131,629	131,552	0.0	+0.1	+0.5	131,291	132,789	132,748	128,875	+1.9
Nondefense	93,371	93,031	93,265	+0.4	-0.3	+0.9	92,797	93,625	93,920	91,512	+1.4
Excluding aircraft and parts	65,104	65,179	64,984	-0.1	+0.3	+0.7	64,740	65,674	65,423	65,936	-1.8
Defense	38,201	38,598	38,287	-1.0	+0.8	-0.5	38,494	39,164	38,828	37,363	+3.0
Household durable goods industries	13,379	13,363	13,248	+0.1	+0.9	-1.6	13,236	13,563	13,599	13,454	-1.6

See footnotes at end of table 2.

Table 5. VALUE OF MANUFACTURERS' INVENTORIES, BY STAGE OF FABRICATION, BY INDUSTRY GROUP
(Millions of dollars)

Industry	Seasonally adjusted						Not seasonally adjusted				
	Monthly			Percent Change			Monthly				Percent change
	Sep. 1990[p]	Aug. 1990[r]	July 1990	Aug.-Sep.[p]	July-Aug.[r]	June-July	Sep. 1990[p]	Aug. 1990[r]	July 1990	Sep. 1989	Sep.90/89[p]
MATERIALS AND SUPPLIES											
All manufacturing industries	114,117	113,801	113,960	+0.3	-0.1	+0.8	113,648	113,935	114,020	113,822	-.2
Durable goods industries	66,411	66,444	66,924	0.0	-0.7	+0.8	66,603	66,993	67,177	67,811	-1.8
Stone, clay, and glass products	2,596	2,575	2,556	+0.8	+0.7	-0.6	2,565	2,581	2,595	2,535	+1.2
Primary metals	6,424	6,442	6,487	-0.3	-0.7	+1.5	6,512	6,514	6,488	6,707	-2.9
Fabricated metal products	8,085	8,200	8,247	-1.4	-0.6	+0.5	8,067	8,268	8,307	8,847	-8.8
Machinery, except electrical	12,231	12,199	12,243	+0.3	-0.4	-0.4	12,262	12,282	12,319	13,030	-5.9
Electrical machinery	10,984	10,978	11,009	+0.1	-0.3	+0.4	10,975	11,071	11,207	11,306	-2.9
Transportation equipment	13,537	13,653	14,080	-0.8	-3.0	+3.5	13,654	13,841	13,906	13,247	+3.1
Instruments and related products	4,875	4,842	4,886	+0.7	-0.9	-1.0	4,862	4,881	4,921	4,599	+5.7
Lumber, furniture and miscellaneous durable goods	7,679	7,555	7,416	+1.6	+1.9	-0.6	7,706	7,555	7,434	7,540	+2.2
Nondurable goods industries	47,706	47,357	47,036	+0.7	+0.7	+0.9	47,045	46,942	46,843	46,011	+2.2
Food and kindred products	9,057	9,011	8,886	+0.5	+1.4	+1.1	8,617	8,686	8,619	8,209	+5.0
Tobacco products	4,253	4,369	4,310	-2.7	+1.4	+1.5	4,130	4,077	4,007	4,093	+.9
Textile mill products	2,433	2,413	2,396	+0.8	+0.7	-1.3	2,397	2,433	2,474	2,354	+1.8
Paper and allied products	6,865	6,855	6,927	+0.1	-1.0	-0.2	6,890	6,832	6,923	6,731	+2.4
Chemicals and allied products	10,233	10,175	10,132	+0.6	+0.4	+1.0	10,192	10,205	10,218	10,152	+.4
Petroleum and coal products	2,987	2,789	2,737	+7.1	+1.9	+4.0	2,938	2,775	2,705	2,360	+24.5
Rubber and plastics products	3,941	3,854	3,799	+2.3	+1.4	+1.4	3,939	3,823	3,809	4,013	-1.8
Apparel, printing and publishing and leather goods	7,937	7,891	7,849	+0.6	+0.5	+0.6	7,942	8,111	8,088	8,099	-1.9
WORK IN PROCESS											
All manufacturing industries	139,901	138,678	137,908	+0.9	+0.6	+0.7	140,216	139,803	138,795	137,004	+2.3
Durable goods industries	118,180	117,530	117,202	+0.6	+0.3	+0.8	118,485	118,541	117,908	116,013	+2.1
Stone, clay, and glass products	1,007	1,002	992	+0.5	+1.0	-2.0	987	994	1,001	1,058	-6.7
Primary metals	8,697	8,559	8,328	+1.6	+2.8	+1.1	8,634	8,525	8,346	8,581	+.6
Fabricated metal products	8,374	8,371	8,234	0.0	+1.7	+0.7	8,388	8,281	8,113	8,146	+3.0
Machinery, except electrical	20,400	19,925	19,908	+2.4	+0.1	+2.0	20,615	20,120	19,971	20,115	+2.5
Electrical machinery	18,402	18,412	18,588	-0.1	-0.9	-0.2	18,590	18,733	18,794	19,935	-6.7
Transportation equipment	52,193	52,105	52,080	+0.2	0.0	+0.4	52,227	52,664	52,579	48,914	+6.8
Instruments and related products	4,955	5,048	5,084	-1.8	-0.7	+0.9	4,972	5,104	5,100	5,532	-10.1
Lumber, furniture and miscellaneous durable goods	4,152	4,108	3,988	+1.1	+3.0	+3.2	4,072	4,120	4,004	3,732	+9.1
Nondurable goods industries	21,721	21,148	20,706	+2.7	+2.1	+0.6	21,731	21,262	20,887	20,991	+3.5
Food and kindred products	2,743	2,671	2,699	+2.7	-1.0	-1.6	2,757	2,585	2,664	2,689	+2.5
Tobacco products	262	263	275	-0.4	-4.4	+5.0	299	218	206	308	-2.9
Textile mill products	2,549	2,563	2,532	-0.5	+1.2	+0.5	2,524	2,558	2,564	2,494	+1.2
Paper and allied products	1,289	1,305	1,345	-1.2	-3.0	-1.2	1,286	1,336	1,391	1,345	-4.4
Chemicals and allied products	4,853	4,854	4,860	0.0	-0.1	-0.1	4,862	4,932	4,935	4,785	+1.6
Petroleum and coal products	4,049	3,380	2,954	+19.8	+14.4	+1.9	3,958	3,414	2,994	2,806	+41.1
Rubber and plastics products	1,369	1,366	1,393	+0.2	-1.9	+1.1	1,389	1,378	1,380	1,463	-5.1
Apparel, printing and publishing and leather goods	4,607	4,746	4,648	-2.9	+2.1	+1.9	4,656	4,841	4,753	5,101	-8.7
FINISHED GOODS											
All manufacturing industries	122,512	121,819	121,417	+0.6	+0.3	+0.6	121,048	122,171	121,734	118,276	+2.3
Durable goods industries	62,346	62,679	62,330	-0.5	+0.6	+0.3	60,771	62,288	62,346	60,756	.0
Stone, clay, and glass products	4,301	4,243	4,203	+1.4	+1.0	+0.9	4,170	4,194	4,249	4,044	+3.1
Primary metals	6,285	6,148	6,011	+2.2	+2.3	+0.6	6,183	6,062	6,036	5,659	+9.3
Fabricated metal products	6,966	6,983	7,013	-0.2	-0.4	+0.7	6,776	6,901	7,029	6,736	+.6
Machinery, except electrical	15,144	15,564	15,476	-2.7	+0.6	-1.3	14,547	15,499	15,464	14,841	-2.0
Electrical machinery	10,478	10,467	10,379	+0.1	+0.8	+0.4	10,197	10,503	10,379	9,979	+2.2
Transportation equipment	8,063	8,241	8,228	-2.2	+0.2	+4.7	7,931	8,058	8,036	7,935	-.1
Instruments and related products	3,702	3,697	3,725	+0.1	-0.8	+0.3	3,674	3,705	3,718	4,154	-11.6
Lumber, furniture and miscellaneous durable goods	7,407	7,336	7,295	+1.0	+0.6	-2.3	7,293	7,366	7,435	7,408	-1.6
Nondurable goods industries	60,166	59,140	59,087	+1.7	+0.1	+0.9	60,277	59,883	59,388	57,520	+4.8
Food and kindred products	15,839	15,574	15,494	+1.7	+0.5	+1.0	16,648	16,227	15,107	15,933	+4.5
Tobacco products	1,302	1,220	1,137	+6.7	+7.3	-5.6	1,260	1,254	1,109	1,041	+21.0
Textile mill products	3,417	3,359	3,374	+1.7	-0.4	+0.8	3,356	3,436	3,468	3,093	+8.5
Paper and allied products	4,609	4,587	4,570	+0.5	+0.4	+2.2	4,404	4,516	4,563	4,290	+2.7
Chemicals and allied products	14,281	14,080	14,207	+1.4	-0.9	+0.7	13,852	13,868	14,214	13,907	-.4
Petroleum and coal products	5,551	5,210	4,957	+6.5	+5.1	-0.5	5,643	5,230	5,088	5,123	+10.2
Rubber and plastics products	5,280	5,239	5,243	+0.8	-0.1	+0.1	5,135	5,161	5,230	4,975	+3.2
Apparel, printing and publishing and leather goods	9,887	9,871	10,105	+0.2	-2.3	+2.2	9,979	10,191	10,609	9,158	+9.0

[p]Preliminary. [r]Revised.

Table 6. RATIO OF MANUFACTURES' INVENTORIES TO SHIPMENTS AND UNFILLED ORDERS TO SHIPMENTS, BY INDUSTRY GROUP
(Based on seasonally adjusted data)

Industry	Inventory / Shipments ratio				Unfilled Orders / Shipments ratio[1]			
	Sep. 1990p	Aug. 1990r	July 1990	June 1990	Sep. 1990p	Aug. 1990r	July 1990	June 1990
All manufacturing industries	1.54	1.52	1.57	1.55	3.91	3.83	3.91	3.85
Durable goods industries	1.98	1.92	1.97	1.92	4.79	4.66	4.78	4.68
Stone, clay, and glass products	1.50	1.45	1.42	1.43	1.13	1.07	1.03	1.02
Primary metals	1.86	1.81	1.76	1.80	2.02	2.00	1.99	2.06
Fabricated metal products	1.64	1.65	1.65	1.64	1.97	1.94	1.95	1.92
Machinery, except electrical	2.15	2.12	2.24	2.15	2.91	2.85	3.09	2.90
Electrical machinery	1.93	1.95	1.94	1.94	4.42	4.52	4.46	4.48
Transportation equipment	2.30	2.08	2.25	2.11	13.19	11.97	12.59	11.98
Instruments and related products	2.07	2.03	2.09	2.06	2.18	2.10	2.15	2.15
Nondurable goods industries	1.09	1.09	1.12	1.12	0.68	0.68	0.67	0.70
Food and kindred products	0.81	0.80	0.80	0.79	(X)	(X)	(X)	(X)
Tobacco products	2.73	2.45	2.45	2.98	(X)	(X)	(X)	(X)
Textile mill products	1.74	1.68	1.69	1.63	(NA)	(NA)	(NA)	(NA)
Paper and allied products	1.15	1.15	1.15	1.17	(NA)	(NA)	(NA)	(NA)
Chemicals and allied products	1.28	1.27	1.32	1.32	(X)	(X)	(X)	(X)
Petroleum and coal products	0.71	0.76	0.89	0.88	(X)	(X)	(X)	(X)
Rubber and plastics products	1.40	1.38	1.34	1.38	(X)	(X)	(X)	(X)

p Preliminary. r Revised. (X) Not applicable. (NA) Not available.

[1] Excludes the following industries with no unfilled orders: Wood and lumber products; glass containers; metal cans, barrels and drums; farm machinery and equipment; motor vehicle assembly operations; other transportation equipment, foods and related products; tobacco; apparel and related products; building paper; die-cut paper and board; chemicals; petroleum and coal products; and rubber and plastics products.

Table 7. AVERAGE REVISIONS TO PREVIOUSLY PUBLISHED MONTHLY PERCENT CHANGES
(Based on seasonally adjusted data)

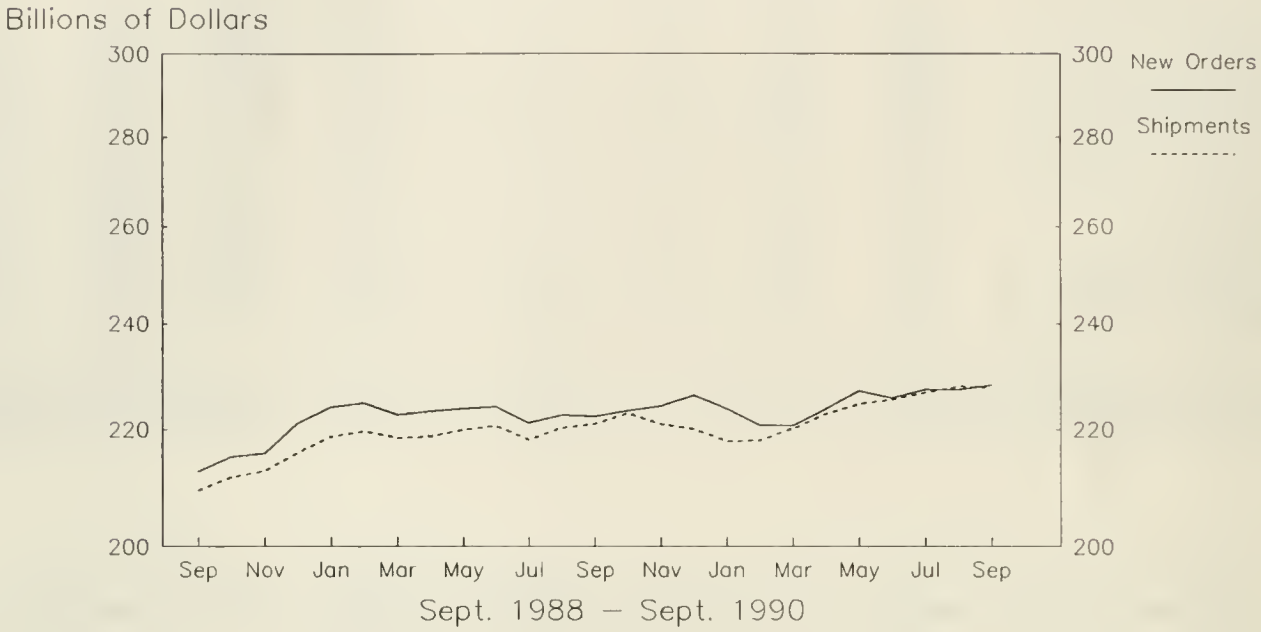
Industry	Shipments			New orders			Unfilled orders			Inventories		
	Sep. 1989	Sep.[1] 1985-1989	Sep. 1989-Aug. 1990	Sep. 1989	Sep.[1] 1985-1989	Sep. 1989-Aug. 1990	Sep. 1989	Sep.[1] 1985-1989	Sep. 1989-Aug. 1990	Sep. 1989	Sep.[1] 1985-1989	Sep. 1989-Aug. 1990
All manufacturing industries	0.4	0.2	0.1	1.1	0.4	0.3	0.3	0.1	0.1	0.1	0.0	0.1
Durable goods industries	0.3	0.3	0.1	1.5	0.6	0.4	0.3	0.1	0.1	0.0	0.1	0.1
Stone, clay, and glass products	0.6	0.5	0.5	1.4	0.6	0.6	0.9	0.5	0.4	0.5	0.4	0.2
Primary metals	0.7	1.1	0.4	0.4	1.5	0.5	0.1	0.4	0.2	0.3	0.1	0.1
Fabricated metal products	0.0	0.4	0.4	0.5	0.9	0.6	0.2	0.4	0.2	0.1	0.1	0.1
Machinery, except electrical	0.5	0.5	0.4	0.3	0.7	0.5	0.3	0.2	0.2	0.1	0.1	0.1
Electrical machinery	0.9	0.8	0.3	0.3	0.7	0.4	0.2	0.1	0.1	0.5	0.3	0.2
Transportation equipment	0.7	0.2	0.4	6.2	1.6	1.4	0.8	0.2	0.2	0.0	0.1	0.0
Instruments and related products	0.8	0.9	0.4	1.8	1.4	0.5	0.5	0.3	0.1	0.6	0.2	0.3
Nondurable goods industries	0.5	0.3	0.2	0.5	0.4	0.2	0.1	0.7	0.4	0.2	0.1	0.1
Food and kindred products	0.1	0.7	0.1	(X)	(X)	(X)	(X)	(X)	(X)	0.0	0.1	0.2
Tobacco products	2.5	0.6	0.3	(X)	(X)	(X)	(X)	(X)	(X)	0.2	0.0	0.0
Textile mill products	0.9	0.7	0.7	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	0.1	0.8	0.3
Paper and allied products	0.3	0.5	0.2	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	0.6	0.2	0.2
Chemicals and allied products	0.2	0.5	0.3	(X)	(X)	(X)	(X)	(X)	(X)	0.2	0.3	0.1
Petroleum and coal products	0.5	0.3	0.3	(X)	(X)	(X)	(X)	(X)	(X)	0.5	0.4	0.2
Rubber and plastics products	0.3	0.7	0.8	(X)	(X)	(X)	(X)	(X)	(X)	0.0	0.2	0.3
Capital goods industries:												
Nondefense	0.6	0.5	0.4	0.4	0.9	0.6	0.1	0.1	0.1	0.2	0.1	0.1
Defense	1.5	0.5	0.4	25.9	6.8	3.4	1.2	0.3	0.2	0.1	0.1	0.0

(X) Not applicable. (NA) Not available.

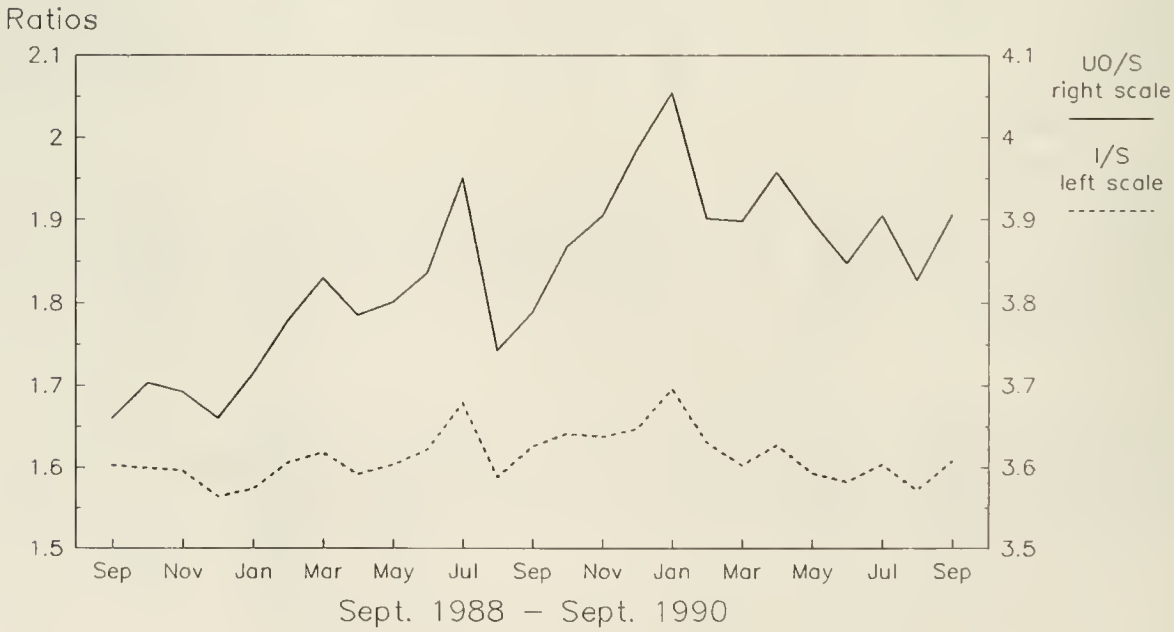
Note: The revisions are the differences between the month-to-month percent changes of the preliminary and final estimates. The monthly averages are the simple averages of the differences, without regard to sign, for the months specified. The advance to final percent change revisions for the durable goods industries are shown in the advance report for the month.

[1] Average for this month for the last five years.

Total Manufacturing Excluding Petroleum Refining
New Orders and Shipments
Three Month Moving Averages

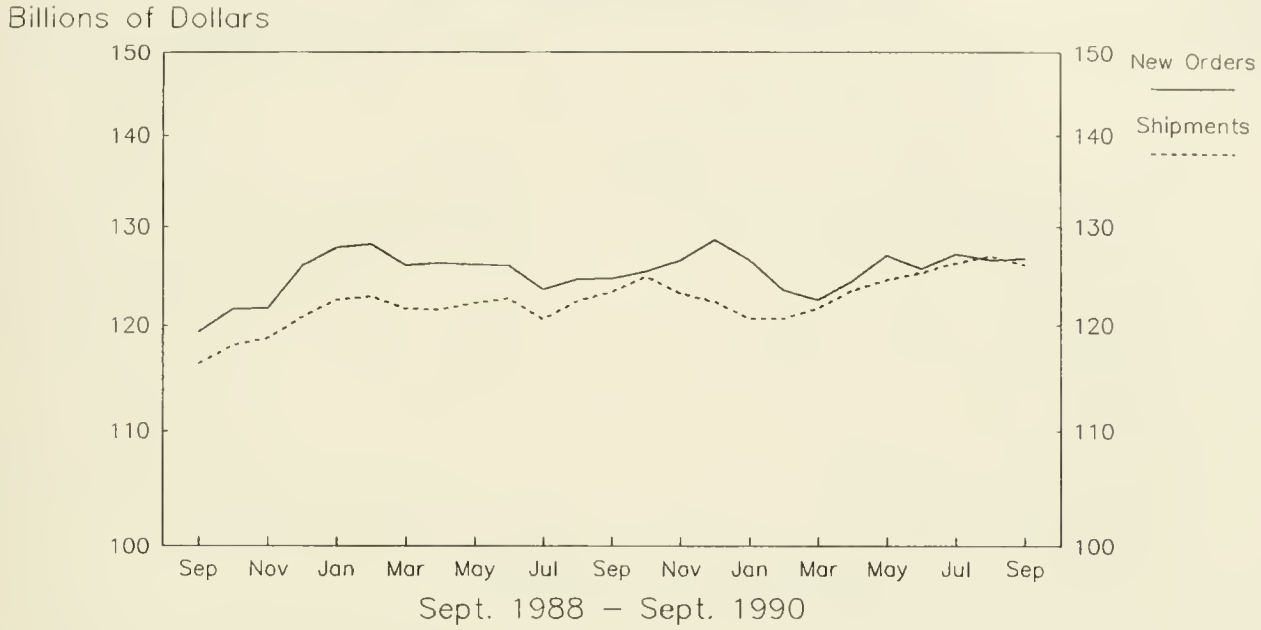


Total Manufacturing Excluding Petroleum Refining
Ratios of Unfilled Orders and
Inventories to Shipments

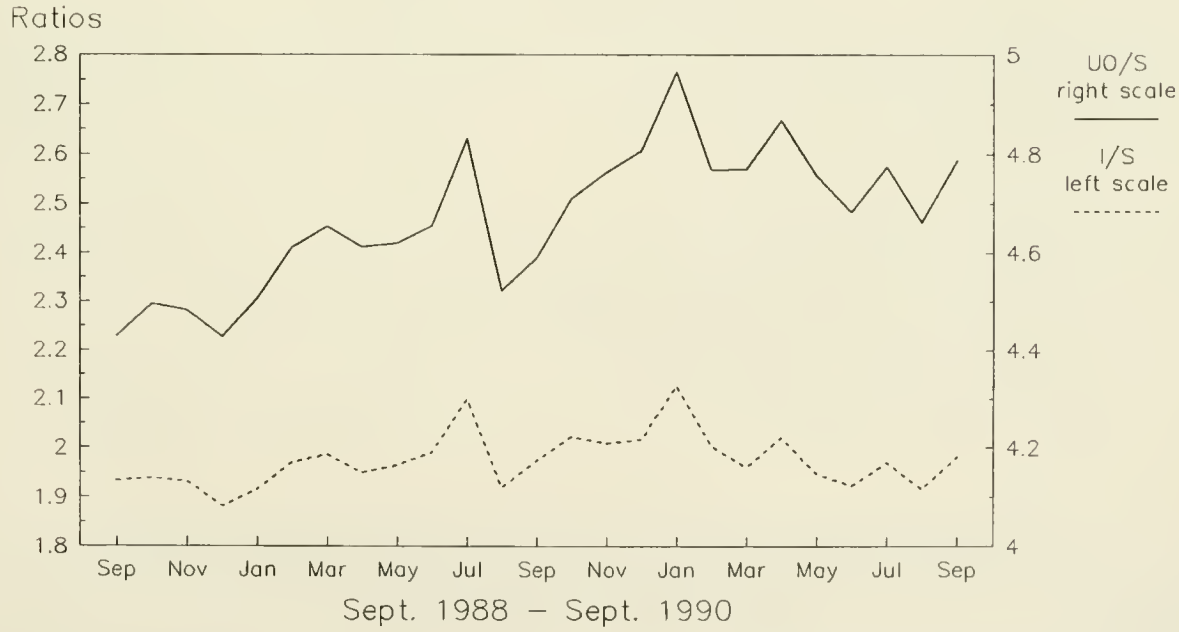


Note: All Charts based on seasonally adjusted current dollars.

Total Durable Goods
New Orders and Shipments
Three Month Moving Average

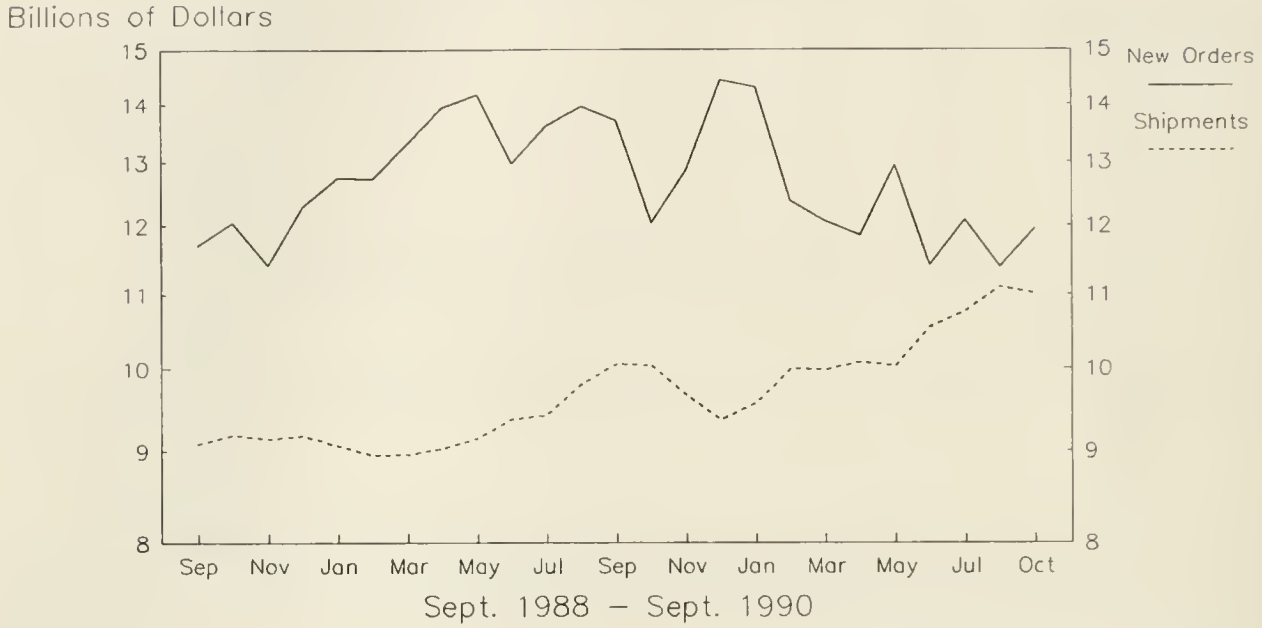


Total Durable Goods
Ratios of Unfilled Orders and
Inventories to Shipments



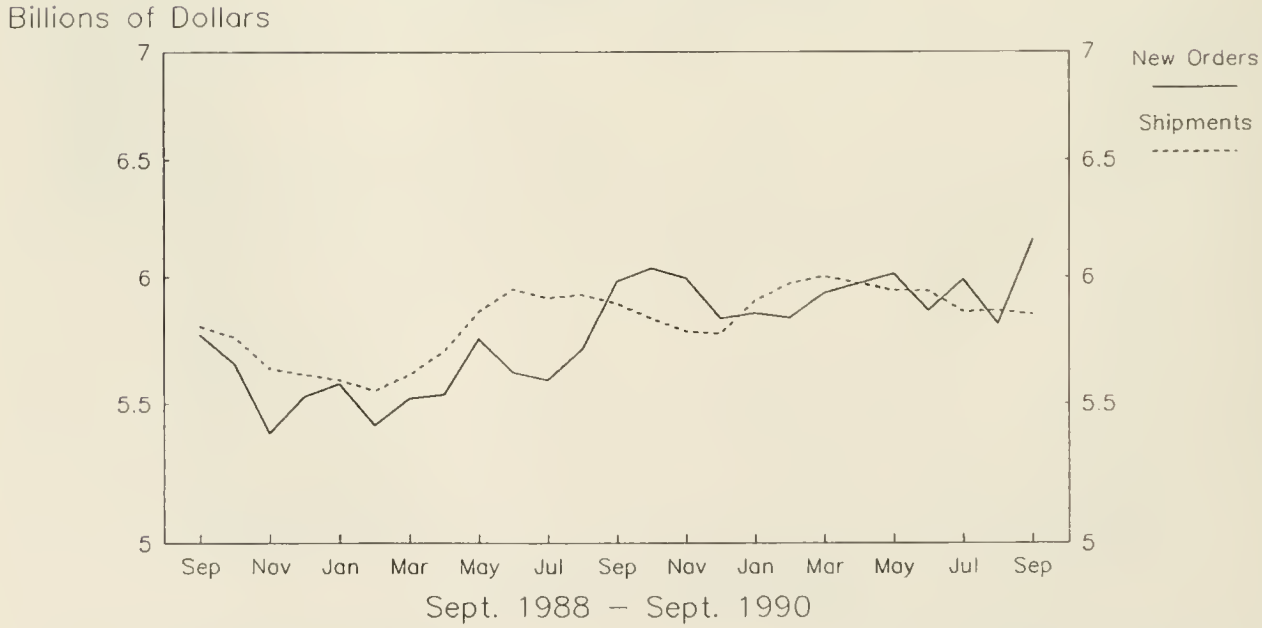
Note: All Charts based on seasonally adjusted current dollars.

Aircraft, Missiles and Parts
New Orders and Shipments
Three Month Moving Averages



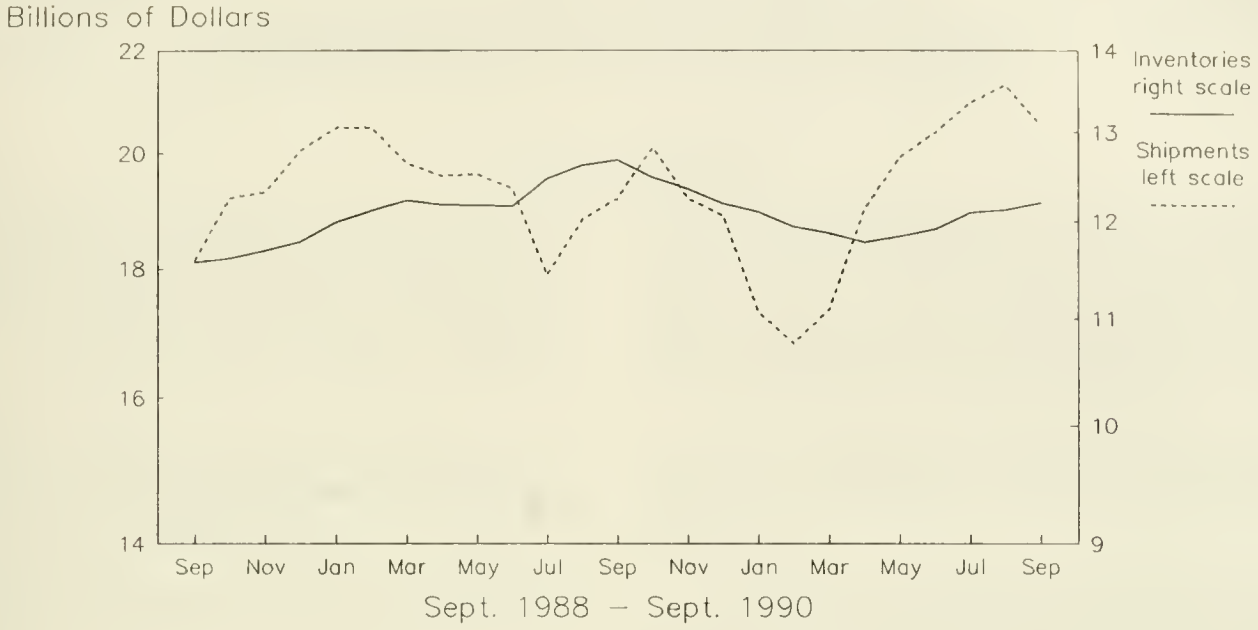
Note: All Charts based on seasonally adjusted current dollars.

Office and Computing Equipment
New Orders and Shipments
Three Month Moving Average

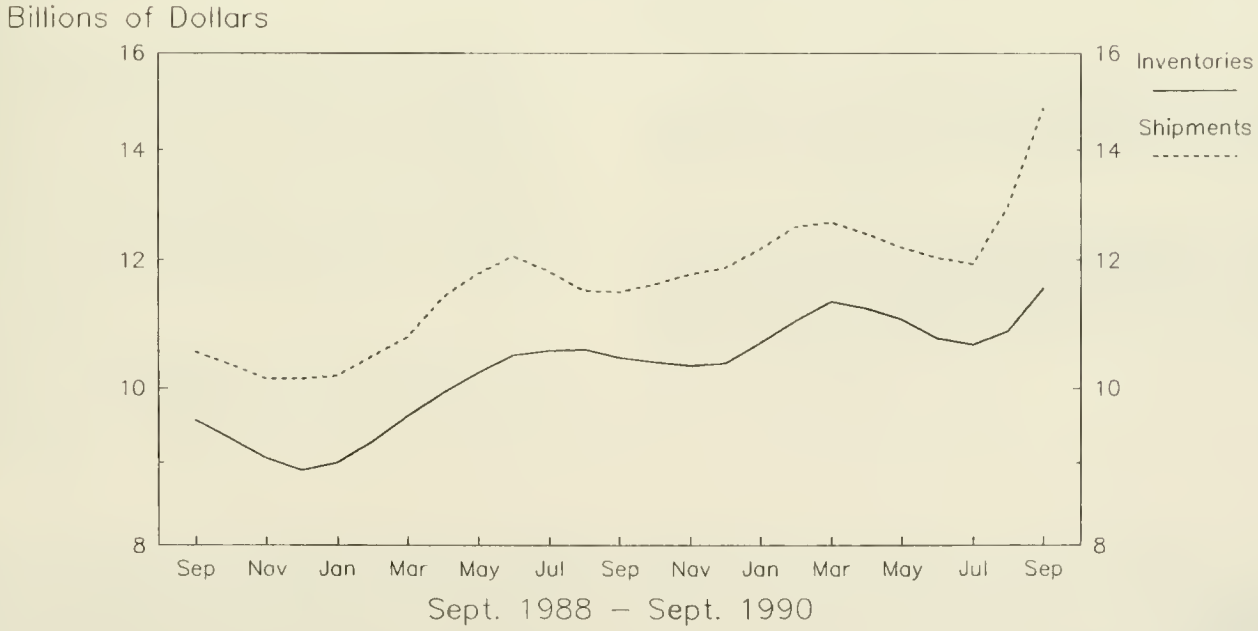


Note: All Charts based on seasonally adjusted current dollars.

Motor Vehicles and Parts
Shipments and Inventories
Three Month Moving Averages



Petroleum and Coal Products
Shipments and Inventories
Three Month Moving Averages



Note: All Charts based on seasonally adjusted current dollars.

U.S. Department of Commerce
BUREAU OF THE CENSUS
Washington, D.C. 20233

Official Business

Penalty for Private Use, $300

U.S.MAIL

POSTAGE AND FEES PAI
U S DEPARTMENT OF COMMERC

COM-20:

First Class Mail

3.158:M 3-1-(90)-10
rrent Industrial Reports,...

Manufacturers' Shipments, Inventories, and Orders

U. S. Department of Commerce
BUREAU OF THE CENSUS

October 1990
M3-1-(90)-10
For Wire Transmissions 10:00 a.m. E.S.T. Wednesday, December 5, 1990

(All figures in text are in seasonally adjusted current dollars)

1991

Summary

New orders for manufactured goods in October increased $6.8 billion or 2.8 percent to $250.7 billion, the Department of Commerce, Bureau of the Census reported today. Durable goods were up 3.9 percent with the gain concentrated in transportation equipment. Nondurables were up 1.6 percent with the largest increase in petroleum refining.

Shipments of manufactured goods in October increased $4.2 billion or 1.7 percent to $247.5 billion. Durables were up 1.8 percent, transportation equipment accounting for most of the increase. Nondurables were up 1.6 percent, over half attributable to petroleum refining.

Unfilled orders were up $3.2 billion or 0.6 percent to $522.5 billion. Excluding aircraft and parts, there was a 0.5 percent decline.

Manufacturers' inventories increased $0.3 billion or 0.1 percent in October to $377.3 billion. Although small, this is the fourth consecutive increase, following a 12 month period when inventories remained around the $372 billion level. The inventory to shipments ratio in October was 1.52 down from 1.55 in September.

New Orders

New Orders for durable goods increased $4.8 billion or 3.9 percent to $129.8 billion, revised up from the 3.6 percent reported earlier. The increase in transportation equipment of $4.9 billion or 14.8 percent to $37.9 billion resulted from gains in both the aircraft and motor vehicle industries. Primary metals were up $0.6 billion or 5.5 percent to $12.0 billion; both steel and nonferrous orders showed increases. Fabricated metals had the largest decline, down $1.0 billion or 6.8 percent to $13.7 billion, following a 5.6 percent increase in September; most of this volatility was attributable to defense ordnance.

Increases in nondurables were widespread with petroleum refining, chemicals, tobacco and foods having the largest increases.

Shipments

The increase in shipments of durable goods of $2.2 billion or 1.8 percent to $126.6 billion resulted mostly from a $1.7 billion or 9.1 percent increase in motor vehicles and parts. Several of the other major industries also had increases; instruments and related products were up 5.3 percent, primary metals 2.2 percent, nonelectrical machinery 1.6 percent and fabricated metals 1.0 percent.

Petroleum accounted for about half of the $2.0 billion increase in nondurables. Petroleum was up $1.0 billion or 5.6 percent to $18.4 billion.

Unfilled Orders

Unfilled orders for durables increased $3.2 billion or 0.6 percent to $503.2 billion. An increase in transportation equipment more than offset declines in most of the other industries. Transportation was up $4.6 billion or 1.7 percent to $277.4 billion, virtually all due to aircraft and parts. Nonelectrical machinery was down $0.3 billion or 0.6 percent to $60.3 billion, and electrical machinery down $0.7 billion or 0.8 percent to $90.2 billion.

Unfilled orders for nondurables were down $0.1 billion or 0.3 percent to $19.3 billion.

Inventories

Inventories of durable goods manufacturers at $246.7 billion were down 0.1 percent from September. Nondurable manufacturers showed an increase of $0.5 billion or 0.4 percent to $130.5 billion.

By stage of fabrication, materials and supplies were up 0.6 percent with both durables and nondurables increasing. Work in process was down 0.4 percent with both durables and nondurables declining. Finished goods were up 0.1 percent; nondurables were up 0.5 percent while durables declined 0.2 percent.

The advance report on durable goods for November is scheduled for December 27, 1990 at 8:30 a.m. and the full report on January 4, 1991 at 10:00 a.m. Address inquiries concerning these figures to U.S. Department of Commerce, Bureau of the Census, Industry Division, Washington, DC 20233 or call Ruth Runyan or Kathleen Menth, (301) 763-2502 or (301) 763-2512.

For sale by the Superintendent of Documents, U.S. Government Printing Office, Washington, DC 20402. This report is also available the day of issue through the Department of Commerce's online Economic Bulletin Board (N-8-1) (202-377-3870) and through the Census Bureau's online information service-CENDATA. CENDATA is available from Dialog Information Services, INC. (1-800-334-2464) and CompuServe (1-800-848-8199). The CENDATA staff at the Bureau of the Census (301-763-2074) can provide content information and general guidance.

Table 1. VALUE OF MANUFACTURERS' SHIPMENTS FOR INDUSTRY GROUPS, MARKET CATEGORIES AND SUPPLEMENTARY SERIES
(Millions of dollars)

Industry	Seasonally adjusted						Not seasonally adjusted[1]						
	Monthly			Percent Change			Monthly				Percent change	Year to date	
	Oct. 1990p	Sep. 1990r	Aug. 1990	Sep.-Oct.p	Aug.-Sep.r	July-Aug.	Oct. 1990p	Sep. 1990r	Aug. 1990	Oct. 1989	Oct.90/89p	1990p	1989
All manufacturing industries	247,496	243,291	245,646	+1.7	-1.0	+3.3	253,698	257,662	242,350	238,230	+6.5	2,390,780	2,321,369
Manufacturing industries with unfilled orders	133,906	132,661	135,495	+0.9	-2.1	+1.8	137,151	142,136	132,638	132,008	+3.9	1,322,967	1,280,957
Durable goods industries	126,562	124,315	128,619	+1.8	-3.3	+2.8	130,201	132,318	123,910	125,350	+3.9	1,246,767	1,227,082
With unfilled orders	105,811	104,219	107,054	+1.5	-2.6	+2.1	107,859	112,219	103,719	103,385	+4.3	1,040,915	1,009,064
Stone, clay, and glass products	5,248	5,267	5,378	-0.4	-2.1	-1.7	5,607	5,614	5,656	5,900	-5.0	54,490	54,688
Primary metals	11,796	11,539	11,692	+2.2	-1.3	-1.0	12,100	11,788	11,682	12,059	+0.3	116,061	124,022
Blast furnaces, steel mills	4,866	4,686	4,765	+3.8	-1.7	+0.2	4,958	4,667	4,684	4,890	+1.4	47,255	50,527
Iron and steel foundries	833	851	845	-2.1	+0.7	-4.3	899	872	863	885	+1.6	8,382	8,737
Nonferrous and other primary metals	6,097	6,002	6,082	+1.6	-1.3	-1.5	6,243	6,249	6,135	6,284	-0.7	60,424	64,758
Fabricated metal products	14,315	14,178	14,236	+1.0	-0.4	+0.2	14,881	14,841	14,056	14,506	+2.6	142,586	136,146
Machinery, except electrical	22,560	22,215	22,489	+1.6	-1.2	+5.9	22,202	24,410	20,921	21,561	+3.0	222,058	220,236
Engines and turbines	1,281	1,374	1,345	-6.8	+2.2	+12.9	1,206	1,473	1,272	1,263	-4.5	13,027	13,598
Construction, mining and material handling equipment	2,991	2,919	3,063	+2.5	-4.7	+21.9	3,021	2,902	2,821	3,063	-1.4	29,843	27,750
Metalworking machinery	1,125	1,068	1,093	+5.3	-2.3	-1.3	1,202	1,148	1,001	1,113	+8.0	10,531	10,130
Office and computing machines	6,303	6,110	5,843	+3.2	+4.6	+3.7	5,660	7,956	5,252	4,946	+14.4	57,946	56,144
Electrical machinery	20,560	20,570	20,409	0.0	+0.8	-0.9	20,591	22,695	20,136	20,098	+2.5	202,900	197,327
Electrical transmission and distribution equipment and industrial apparatus	2,468	2,566	2,486	-3.8	+3.2	-1.7	2,452	2,855	2,381	2,396	+2.3	25,341	25,009
Household appliances	1,526	1,526	1,496	0.0	+2.0	-7.8	1,569	1,634	1,545	1,689	-7.1	16,339	16,281
Radio and TV	1,117	1,075	991	+3.9	+8.5	-4.5	1,391	1,427	1,030	1,336	+4.1	10,188	10,276
Communication equipment	6,979	6,989	6,884	-0.1	+1.5	-0.9	6,558	7,676	6,666	6,153	+6.6	67,110	62,851
Electronic components	5,034	4,981	5,099	+1.1	-2.3	+1.8	4,989	5,314	5,082	4,860	+2.7	50,185	48,422
Other electrical machinery	3,436	3,433	3,453	+0.1	-0.6	-0.2	3,632	3,789	3,432	3,664	-0.9	33,737	34,488
Transportation equipment	33,342	32,060	35,554	+4.0	-9.8	+7.4	34,868	33,287	32,485	31,212	+11.7	320,238	309,526
Motor vehicles and parts	20,630	18,916	22,165	+9.1	-14.7	+8.5	22,522	19,530	20,041	20,121	+11.9	197,311	195,971
Aircraft, missiles, and parts.	10,592	10,975	11,351	-3.5	-3.3	+5.6	10,212	11,579	10,427	8,960	+14.0	102,209	91,698
Shipbuilding and military tank vehicles	1,033	1,004	949	+2.9	+5.8	-0.8	1,012	1,008	954	808	+25.2	9,403	9,043
Instruments and related products	6,864	6,518	6,701	+5.3	-2.7	+2.0	6,992	6,988	6,468	6,659	+5.0	66,111	63,690
Scientific and engineering instruments	4,473	4,318	4,467	+3.6	-3.3	+0.2	4,482	4,621	4,417	4,372	+2.5	44,359	42,472
All other durable goods	11,877	11,968	12,160	-0.8	-1.6	+0.7	12,960	12,695	12,506	13,355	-3.0	122,323	121,447
Nondurable goods industries	120,934	118,976	117,027	+1.6	+1.7	+3.8	123,497	125,344	118,440	112,880	+9.4	1,144,013	1,094,287
With unfilled orders	28,095	28,442	28,441	-1.2	0.0	+0.6	29,292	29,917	28,919	28,623	+2.3	282,052	271,893
Food and kindred products	34,389	34,059	34,204	+1.0	-0.4	+1.2	35,324	36,208	34,117	33,791	+4.5	337,944	323,060
Dairy products	4,766	4,766	4,847	0.0	-1.7	+0.1	4,709	4,879	4,897	4,428	+6.3	48,243	43,225
Beverages	4,253	4,318	4,221	-1.5	+2.3	+1.4	4,130	4,387	4,508	4,076	+1.3	42,943	42,884
All other foods	16,375	15,989	16,195	+2.4	-1.3	+0.8	17,177	17,711	15,561	16,546	+3.8	158,446	151,867
Tobacco products	2,507	2,131	2,384	+17.6	-10.6	+2.0	2,296	2,451	2,294	2,111	+8.8	21,048	19,211
Textile mill products	4,902	4,841	4,959	+1.3	-2.4	+1.2	5,214	5,297	5,214	5,657	-7.8	50,764	53,554
Broadwoven fabrics	2,861	2,848	2,938	+0.5	-3.1	+1.8	2,978	3,115	3,038	3,382	-11.9	29,466	32,341
Paper and allied products	10,984	11,046	11,086	-0.6	-0.4	-0.4	11,083	11,261	11,180	11,046	+0.3	110,147	109,656
Pulp, paper etc.	4,763	4,862	4,794	-2.0	+1.4	+1.4	4,719	4,873	4,785	4,713	+0.1	47,202	48,628
Paperboard containers	2,703	2,618	2,662	+3.2	-1.7	+0.1	2,795	2,708	2,768	2,805	-0.4	26,937	27,183
All other paper products	3,518	3,566	3,630	-1.3	-1.8	-3.0	3,569	3,680	3,627	3,528	+1.2	36,008	33,845
Chemicals and allied products	23,179	22,931	22,963	+1.1	-0.1	+4.1	22,533	23,675	22,721	20,566	+9.6	222,346	214,626
Industrial chemicals, except pigments	6,372	6,277	6,180	+1.5	+1.6	+8.6	6,308	6,235	6,042	5,501	+14.7	59,043	58,718
Drugs, soaps, and toiletries	7,590	7,120	7,421	+6.6	-4.1	+0.4	7,514	8,143	7,604	6,766	+11.1	72,589	67,727
Other chemical products	6,068	6,337	6,083	-4.2	+4.2	+6.2	6,013	6,425	6,026	5,548	+8.4	59,115	56,929
Petroleum and coal products	18,398	17,415	14,969	+5.6	+16.3	+25.2	18,442	17,970	15,591	12,103	+52.4	137,254	114,754
Rubber and plastics products	7,703	7,575	7,576	+1.7	0.0	-2.7	8,043	7,863	7,550	7,954	+1.1	76,659	81,436
All other nondurable goods	18,872	18,978	18,886	-0.6	+0.5	+0.6	20,562	20,619	19,773	19,652	+4.6	187,851	177,990
Market categories:													
Home goods and apparel	14,644	14,275	14,352	+2.6	-0.5	-0.3	16,423	16,168	15,465	16,576	-0.9	146,800	149,316
Consumer staples	49,471	48,580	49,198	+1.8	-1.3	+0.9	50,349	52,409	49,200	47,701	+5.6	482,634	455,294
Equipment and defense prod. except automotive	41,123	40,623	41,115	+1.2	-1.2	+2.6	40,045	44,143	39,029	37,688	+6.3	401,060	381,659
Automotive equipment	22,874	21,200	24,414	+7.9	-13.2	+7.7	24,987	21,945	22,372	22,768	+9.7	220,410	220,202
Construction materials, supplies and intermediate products	16,914	16,914	17,310	0.0	-2.3	-1.4	18,011	17,872	17,888	18,966	-5.0	176,801	177,738
Other materials, supplies, and intermediate products	102,470	101,699	99,257	+0.8	+2.5	+5.1	103,883	105,125	98,396	94,531	+9.9	963,075	937,160
Supplementary series:[2]													
Capital goods industries	45,304	45,504	45,826	-0.4	-0.7	+4.0	44,224	49,687	43,270	41,711	+6.0	442,358	425,936
Nondefense	36,539	36,595	36,719	-0.2	-0.3	+4.6	35,663	40,271	34,619	33,548	+6.3	356,504	341,240
Excluding aircraft and parts	30,881	30,523	30,540	+1.2	-0.1	+4.0	30,346	33,835	29,106	29,103	+4.3	302,835	295,855
Defense	8,765	8,909	9,107	-1.6	-2.2	+1.7	8,561	9,416	8,651	8,163	+4.9	85,854	84,696
Household durable goods industries	7,066	6,910	6,838	+2.3	+1.1	-0.9	7,854	7,904	7,049	7,747	+1.4	69,766	69,362

See footnotes at end of table 2.

Table 2. VALUE OF MANUFACTURERS' NEW ORDERS FOR INDUSTRY GROUPS, MARKET CATEGORIES AND SUPPLEMENTARY SERIES
(Millions of dollars)

Industry	Seasonally adjusted						Not seasonally adjusted[1]						
	Monthly			Percent Change			Monthly				Percent change	Year to date	
	Oct. 1990P	Sep. 1990r	Aug. 1990	Sep.-Oct.P	Aug.-Sep.r	July-Aug.	Oct. 1990P	Sep. 1990r	Aug. 1990	Oct. 1989	Oct.90/89P	1990P	1989
All manufacturing industries	250,695	243,903	244,355	+2.8	-0.2	+1.7	254,822	258,106	237,996	237,369	+7.4	2,398,180	2,349,714
Manufacturing industries with unfilled orders	137,105	133,273	134,204	+2.9	-0.7	-1.0	138,275	142,580	128,284	131,147	+5.4	1,330,367	1,309,302
Durable goods industries	129,811	124,972	126,979	+3.9	-1.6	-0.9	131,883	132,944	119,189	125,267	+5.3	1,254,393	1,255,237
With unfilled orders	109,060	104,876	105,414	+4.0	-0.5	-2.3	109,541	112,845	98,998	103,302	+6.0	1,048,541	1,037,219
Stone, clay, and glass products	5,311	5,424	5,492	-2.1	-1.2	-1.1	5,523	5,713	5,821	5,802	-4.8	54,660	54,210
Primary metals	12,044	11,416	11,513	+5.5	-0.8	-2.5	11,870	11,226	10,883	10,826	+9.6	115,945	120,265
Blast furnaces, steel mills	4,968	4,606	4,856	+7.9	-5.1	+0.3	4,732	4,330	4,553	4,555	+3.9	47,339	47,780
Iron and steel foundries	853	817	983	+4.4	-16.9	+11.2	918	827	981	872	+5.3	8,849	8,859
Nonferrous and other primary metals	6,223	5,993	5,674	+3.8	+5.6	-6.8	6,220	6,069	5,349	5,399	+15.2	59,757	63,626
Fabricated metal products	13,749	14,760	13,980	-6.8	+5.6	-3.4	14,080	15,240	13,641	14,273	-1.4	141,915	133,597
Machinery, except electrical	22,216	22,559	21,351	-1.5	+5.7	-5.2	21,567	24,540	19,889	20,667	+4.4	220,949	221,968
Engines and turbines	1,363	1,598	1,251	-14.7	+27.7	-32.7	1,407	1,741	1,332	1,354	+3.9	14,471	15,501
Construction, mining and material handling equipment	3,137	2,794	2,884	+12.3	-3.1	+12.5	3,186	2,713	2,506	2,937	+8.5	29,600	28,396
Metalworking machinery	1,100	1,071	1,051	+2.7	+1.9	+11.2	1,095	1,198	1,011	1,044	+4.9	10,124	10,260
Office and computing machines	5,954	6,811	5,367	-12.6	+26.9	-15.4	5,281	8,584	4,797	5,024	+5.1	58,450	55,680
Electrical machinery	19,848	19,247	20,699	+3.1	-7.0	+2.0	19,963	21,468	19,459	20,258	-1.5	198,815	195,421
Electrical transmission and distribution equipment and industrial apparatus	2,696	2,581	2,575	+4.5	+0.2	-1.6	2,657	2,866	2,495	2,321	+14.5	25,610	25,076
Communication equipment	6,108	5,900	6,783	+3.5	-13.0	-1.1	5,978	6,992	5,758	6,258	-4.5	62,670	61,176
Electronic components	5,058	4,681	5,451	+8.1	-14.1	+17.3	4,901	4,790	5,138	4,874	+0.6	49,886	47,865
Other electrical machinery	3,400	3,474	3,516	-2.1	-1.2	-1.5	3,643	3,799	3,527	3,829	-4.9	34,198	34,766
Transportation equipment	37,909	33,008	35,162	+14.8	-6.1	+1.0	39,288	35,275	30,898	33,696	+16.6	333,541	343,751
Aircraft, missiles, and parts.	15,087	12,554	10,320	+20.2	+21.6	-21.3	14,704	14,382	8,260	11,147	+31.9	116,958	126,803
Shipbuilding and military tank vehicles	920	623	1,748	+47.7	-64.4	191.8	837	494	1,818	1,389	-39.7	8,981	9,168
Instruments and related products	6,906	6,492	6,607	+6.4	-1.7	+2.7	7,035	6,988	6,264	6,700	+5.0	65,630	63,405
Scientific and engineering instruments	4,505	4,203	4,355	+7.2	-3.5	-0.1	4,590	4,499	4,230	4,490	+2.2	43,868	42,266
All other durable goods	11,828	12,066	12,175	-2.0	-0.9	-0.1	12,557	12,494	12,334	13,045	-3.7	122,938	122,620
Nondurable goods industries	120,884	118,931	117,376	+1.6	+1.3	+4.7	122,939	125,162	118,807	112,102	+9.7	1,143,787	1,094,477
With unfilled orders	28,045	28,397	28,790	-1.2	-1.4	+4.1	28,734	29,735	29,286	27,845	+3.2	281,826	272,083
Market categories:													
Home goods and apparel	14,461	14,570	14,457	-0.7	+0.8	+0.9	15,622	16,132	15,400	16,171	-3.4	147,181	150,668
Consumer staples	49,492	48,581	49,227	+1.9	-1.3	+1.0	50,317	52,368	49,276	47,645	+5.6	482,537	455,302
Equipment and defense prod. except automotive	45,511	40,679	39,130	+11.9	+4.0	-9.0	43,998	45,615	35,415	38,451	+14.4	406,504	406,013
Automotive equipment	22,772	21,099	24,297	+7.9	-13.2	+8.1	24,803	21,793	22,131	22,538	+10.0	219,452	218,797
Construction materials, supplies and intermediate products	16,824	17,327	17,492	-2.9	-0.9	-1.1	17,682	18,125	18,027	18,672	-5.3	176,463	176,093
Other materials, supplies, and intermediate products	101,635	101,647	99,752	0.0	+1.9	+6.1	102,400	104,073	97,747	93,892	+9.1	966,043	942,841
Supplementary series:													
Capital goods industries	48,750	46,151	44,243	+5.6	+4.3	-6.5	47,650	51,591	40,001	43,911	+8.5	451,352	460,930
Nondefense	41,629	38,293	35,871	+8.7	+6.8	-10.0	40,465	41,890	33,883	34,937	+15.8	376,464	379,224
Excluding aircraft and parts	31,229	30,422	29,609	+2.7	+2.7	-3.4	30,406	33,655	28,287	28,297	+7.5	302,054	299,863
Defense	7,121	7,858	8,372	-9.4	-6.1	+12.0	7,185	9,701	6,118	8,974	-19.9	74,888	81,706
Household durable goods industries	6,934	7,014	6,826	-1.1	+2.8	-1.6	7,201	7,684	6,897	7,340	-1.9	70,007	70,221

P Preliminary. r Revised.

[1]Shipments and new orders are the totals for the period and are adjusted for trading-day and calendar-month variations; unfilled orders and inventories are as of the end of the period and are not adjusted for trading-day or calendar-month variations.

[2]The supplementary series are regroupings of the separate industry categories:

Nondefense capital goods include machinery, except electrical (excluding farm machinery and equipment and machine shops); electrical machinery (excluding household appliances, radio and TV, and electronic components); railroad equipment; and the nondefense portions of ordnance; communication equipment; aircraft, missiles and parts; tanks, and shipbuilding, converting and repairing.

Defense capital goods include ordnance; communication equipment; aircraft, missiles and parts; tanks, and shipbuilding, converting and repairing.

Household durable goods industries include household furniture; kitchen articles and pottery; cutlery, handtools, and hardware; household appliances; radio and TV; ophthalmic goods; watches and clocks; and miscellaneous personal goods.

Table 3. VALUE OF MANUFACTURERS' UNFILLED ORDERS FOR INDUSTRY GROUPS, MARKET CATEGORIES AND SUPPLEMENTARY SERIES
(Millions of dollars)

Industry	Seasonally adjusted						Not seasonally adjusted[1]				
	Monthly			Percent Change			Monthly				Percent change
	Oct. 1990p	Sep. 1990r	Aug. 1990	Sep.-Oct.p	Aug.-Sep.r	July-Aug.	Oct. 1990p	Sep. 1990r	Aug. 1990	Oct. 1989	Oct.90/89p
All manufacturing industries	522,474	519,275	518,663	+0.6	+0.1	-0.2	517,342	516,218	515,774	492,279	+5.1
Durable goods industries	503,217	499,968	499,311	+0.6	+0.1	-0.3	498,250	496,568	495,942	472,112	+5.5
Stone, clay, and glass products	5,446	5,383	5,226	+1.2	+3.0	+2.2	5,317	5,401	5,302	5,134	+3.6
Primary metals	23,475	23,227	23,350	+1.1	-0.5	-0.8	21,953	22,183	22,745	21,387	+2.6
Blast furnaces, steel mills	9,608	9,506	9,586	+1.1	-0.8	+1.0	8,638	8,864	9,201	7,978	+8.3
Iron and steel foundries	2,768	2,748	2,782	+0.7	-1.2	+5.2	2,738	2,719	2,764	2,302	+18.9
Nonferrous and other primary metals	11,099	10,973	10,982	+1.1	-0.1	-3.6	10,577	10,600	10,780	11,107	-4.8
Fabricated metal products	25,054	25,620	25,038	-2.2	+2.3	-1.0	24,741	25,542	25,143	25,643	-3.5
Machinery, except electrical	60,316	60,660	60,316	-0.6	+0.6	-1.9	59,744	60,379	60,249	61,011	-2.1
Engines and turbines	7,982	7,900	7,676	+1.0	+2.9	-1.2	8,143	7,942	7,674	6,505	+25.2
Construction, mining and material handling equipment	9,089	8,943	9,068	+1.6	-1.4	-1.9	8,889	8,724	8,913	9,169	-3.1
Metalworking machinery	4,052	4,077	4,074	-0.6	+0.1	-1.0	4,125	4,232	4,182	4,712	-12.5
Office and computing machines	12,798	13,147	12,446	-2.7	+5.6	-3.7	12,811	13,190	12,562	12,606	+1.6
Electrical machinery	90,164	90,876	92,199	-0.8	-1.4	+0.3	89,406	90,034	91,261	90,484	-1.2
Electrical transmission and distribution equipment and industrial apparatus	7,102	6,874	6,859	+3.3	+0.2	+1.3	7,080	6,875	6,864	6,915	+2.4
Communication equipment	63,087	63,958	65,047	-1.4	-1.7	-0.2	62,574	63,154	63,838	63,861	-2.0
Electronic components	13,805	13,781	14,081	+0.2	-2.1	+2.6	13,570	13,658	14,182	13,848	-2.0
Other electrical machinery	5,332	5,368	5,327	-0.7	+0.8	+1.2	5,423	5,412	5,402	4,942	+9.7
Transportation equipment	277,419	272,852	271,904	+1.7	+0.3	-0.1	276,069	271,649	269,661	246,692	+11.9
Aircraft, missiles, and parts.	241,042	236,547	234,968	+1.9	+0.7	-0.4	239,796	235,304	232,501	210,237	+14.1
Shipbuilding and military tank vehicles	26,811	26,924	27,305	-0.4	-1.4	+3.0	26,951	27,126	27,640	26,362	+2.2
Instruments and related products	14,073	14,031	14,057	+0.3	-0.2	-0.7	14,039	13,996	13,996	14,415	-2.6
Scientific and engineering instruments	13,102	13,070	13,185	+0.2	-0.9	-0.8	13,089	12,981	13,103	13,441	-2.6
All other durable goods	7,270	7,319	7,221	-0.7	+1.4	+0.2	6,981	7,384	7,585	7,346	-5.0
Nondurable goods industries	19,257	19,307	19,352	-0.3	-0.2	+1.8	19,092	19,650	19,832	20,167	-5.3
Market categories:											
Home goods and apparel	7,635	7,818	7,523	-2.3	+3.9	+1.4	7,157	7,958	7,994	7,927	-9.7
Consumer staples	815	794	793	+2.6	+0.1	+3.8	782	814	855	852	-8.2
Equipment and defense prod. except automotive	336,760	332,372	332,316	+1.3	0.0	-0.6	334,467	330,514	329,042	311,051	+7.5
Automotive equipment	6,968	7,070	7,171	-1.4	-1.4	-1.6	6,724	6,908	7,060	7,458	-9.8
Construction materials, supplies and intermediate products	13,776	13,866	13,453	-0.6	+3.1	+1.4	13,421	13,750	13,497	13,496	-.6
Other materials, supplies, and intermediate products	156,520	157,355	157,407	-0.5	0.0	+0.3	154,791	156,274	157,326	151,495	+2.2
Supplementary series:											
Capital goods industries	408,912	405,466	404,819	+0.8	+0.2	-0.4	406,805	403,379	401,475	379,237	+7.3
Nondefense	250,507	245,417	243,719	+2.1	+0.7	-0.3	250,208	245,406	243,787	216,757	+15.4
Excluding aircraft and parts	90,938	90,590	90,691	+0.4	-0.1	-1.0	90,639	90,579	90,759	90,748	-.1
Defense	158,405	160,049	161,100	-1.0	-0.7	-0.5	156,597	157,973	157,688	162,480	-3.6
Household durable goods industries	5,412	5,544	5,440	-2.4	+1.9	-0.2	4,917	5,570	5,790	5,588	-12.0

See footnotes at end of table 2.

Table 4. VALUE OF MANUFACTURERS' INVENTORIES FOR INDUSTRY GROUPS, MARKET CATEGORIES AND SUPPLEMENTARY SERIES
(Millions of dollars)

Industry	Seasonally adjusted						Not seasonally adjusted[1]				
	Monthly			Percent Change			Monthly				Percent change
	Oct. 1990p	Sep. 1990r	Aug. 1990	Sep.-Oct.p	Aug.-Sep.r	July-Aug.	Oct. 1990p	Sep. 1990r	Aug. 1990	Oct. 1989	Oct.90/89p
All manufacturing industries	377,259	376,981	374,298	+0.1	+0.7	+0.3	376,773	375,355	375,909	370,808	+1.6
Manufacturing industries with unfilled orders	259,811	259,750	259,821	0.0	0.0	0.0	259,180	259,079	261,864	258,027	+.4
Durable goods industries	246,723	246,926	246,653	-0.1	+0.1	+0.1	246,251	245,835	247,822	245,807	+.2
With unfilled orders	227,717	227,780	227,780	0.0	0.0	0.0	227,613	227,187	229,329	227,130	+.2
Stone, clay, and glass products	8,035	7,912	7,820	+1.6	+1.2	+0.9	7,819	7,722	7,769	7,599	+2.9
Primary metals	21,490	21,412	21,149	+0.4	+1.2	+1.6	21,328	21,370	21,101	20,689	+3.1
Blast furnaces, steel mills	10,862	10,832	10,669	+0.3	+1.5	+1.5	10,895	10,898	10,713	10,604	+2.7
Iron and steel foundries	1,373	1,379	1,361	-0.4	+1.3	+1.6	1,317	1,333	1,331	1,314	+.2
Nonferrous and other primary metals	9,255	9,201	9,119	+0.6	+0.9	+1.6	9,116	9,139	9,057	8,771	+3.9
Fabricated metal products	23,726	23,476	23,554	+1.1	-0.3	+0.3	23,510	23,267	23,450	23,543	-.1
Machinery, except electrical	47,551	47,760	47,688	-0.4	+0.2	+0.1	47,460	47,419	47,901	48,269	-1.7
Engines and turbines	3,144	3,089	3,073	+1.8	+0.5	+0.9	3,285	3,150	3,188	3,232	+1.6
Construction, mining and material handling equipment	7,621	7,614	7,567	+0.1	+0.6	-0.1	7,575	7,543	7,528	7,533	+.6
Metalworking machinery	3,084	3,146	3,136	-2.0	+0.3	+0.5	3,130	3,178	3,223	3,225	-2.9
Office and computing machines	12,248	12,481	12,530	-1.9	-0.4	+1.0	12,272	12,409	12,799	12,667	-3.1
Electrical machinery	39,696	39,777	39,857	-0.2	-0.2	-0.3	39,566	39,685	40,307	41,190	-3.9
Electrical transmission and distribution equipment and industrial apparatus	5,027	4,979	5,020	+1.0	-0.8	-0.8	4,983	4,926	5,009	5,089	-2.1
Household appliances	2,747	2,767	2,768	-0.7	0.0	+1.5	2,618	2,622	2,703	2,962	-11.6
Radio and TV	1,799	1,807	1,803	-0.4	+0.2	+1.4	1,754	1,837	1,910	1,746	+.5
Communication equipment	14,905	14,991	15,016	-0.6	-0.2	+0.1	15,022	15,115	15,281	16,315	-7.9
Electronic components	8,884	8,890	8,843	-0.1	+0.5	-2.1	8,893	8,895	8,955	8,754	+1.6
Other electrical machinery	6,334	6,343	6,407	-0.1	-1.0	+0.4	6,296	6,290	6,449	6,324	-.4
Transportation equipment	73,791	73,815	73,999	0.0	-0.2	-0.5	74,420	73,818	74,563	71,450	+4.2
Motor vehicles and parts	12,052	12,048	12,136	0.0	-0.7	-2.2	12,091	12,099	12,110	12,440	-2.8
Aircraft, missiles, and parts.	57,449	57,120	57,100	+0.6	0.0	-0.1	58,010	57,006	57,639	54,529	+6.4
Shipbuilding and military tank vehicles	2,199	2,573	2,637	-14.5	-2.4	+1.9	2,274	2,652	2,692	2,341	-2.9
Instruments and related products	13,349	13,526	13,587	-1.3	-0.4	-0.8	13,313	13,496	13,690	14,311	-7.0
Scientific and engineering instruments	9,949	10,105	10,164	-1.5	-0.6	-0.7	9,879	10,053	10,158	10,400	-5.0
All other durable goods	19,085	19,248	18,999	-0.8	+1.3	+1.6	18,835	19,058	19,041	18,756	+.4
Nondurable goods industries	130,536	130,055	127,645	+0.4	+1.9	+0.6	130,522	129,520	128,087	125,001	+4.4
With unfilled orders	32,094	31,970	32,041	+0.4	-0.2	-0.5	31,567	31,892	32,535	30,897	+2.2
Food and kindred products	27,630	27,645	27,256	-0.1	+1.4	+0.7	28,872	28,054	27,498	27,439	+5.2
Dairy products	2,857	2,971	2,936	-3.8	+1.2	+1.6	2,831	2,932	2,961	2,425	+16.7
Beverages	4,328	4,313	4,348	+0.3	-0.8	+0.8	4,328	4,295	4,247	4,307	+.5
All other foods	15,613	15,637	15,341	-0.2	+1.9	-0.2	16,893	16,482	15,968	16,680	+1.3
Tobacco products	5,744	5,807	5,852	-1.1	-0.8	+2.3	5,836	5,688	5,549	5,659	+3.1
Textile mill products	8,397	8,410	8,335	-0.2	+0.9	+0.4	8,200	8,282	8,427	7,931	+3.4
Broadwoven fabrics	4,754	4,688	4,621	+1.4	+1.4	-0.2	4,621	4,581	4,648	4,484	+3.1
Paper and allied products	12,753	12,755	12,747	0.0	+0.1	-0.7	12,479	12,573	12,684	12,319	+1.3
Pulp, paper etc.	5,204	5,212	5,200	-0.2	+0.2	+0.3	5,054	5,092	5,129	4,873	+3.7
Paperboard containers	3,090	3,118	3,131	-0.9	-0.4	-1.9	3,053	3,133	3,144	3,189	-4.3
All other paper products	4,459	4,425	4,416	+0.8	+0.2	-1.2	4,372	4,348	4,411	4,257	+2.7
Chemicals and allied products	29,596	29,385	29,109	+0.7	+0.9	-0.3	29,303	28,909	29,005	28,981	+1.1
Industrial chemicals, except pigments	7,557	7,569	7,468	-0.2	+1.4	-0.8	7,466	7,511	7,439	8,153	-8.4
Drugs, soaps, and toiletries	10,283	10,191	10,089	+0.9	+1.0	+0.2	10,262	10,011	10,216	9,745	+5.3
Other chemical products	7,373	7,338	7,306	+0.5	+0.4	-0.4	7,262	7,235	7,265	7,232	+.4
Petroleum and coal products	13,197	13,086	11,379	+0.8	+15.0	+6.9	13,300	13,019	11,419	10,493	+26.8
Rubber and plastics products	10,888	10,607	10,459	+2.6	+1.4	+0.2	10,649	10,479	10,362	10,327	+3.1
All other nondurable goods	22,331	22,360	22,508	-0.1	-0.7	-0.4	21,883	22,516	23,143	21,852	+.1
Market categories:											
Home goods and apparel	27,002	27,258	27,273	-0.9	-0.1	+0.3	26,239	26,995	27,648	26,878	-2.4
Consumer staples	47,647	47,694	47,305	-0.1	+0.8	+0.5	48,794	48,078	47,686	46,794	+4.3
Equipment and defense prod. except automotive	112,698	113,409	113,617	-0.6	-0.2	+0.1	112,947	112,806	114,120	112,821	+.1
Automotive equipment	15,039	15,021	15,152	+0.1	-0.9	-2.1	14,962	15,033	15,132	15,318	-2.3
Construction materials, supplies and intermediate products	26,656	26,416	26,030	+0.9	+1.5	+1.4	26,173	25,938	25,914	25,378	+3.1
Other materials, supplies, and intermediate products	148,217	147,183	144,921	+0.7	+1.6	+0.4	147,658	146,505	145,409	143,619	+2.8
Supplementary series:[2]											
Capital goods industries	131,237	131,502	131,629	-0.2	-0.1	+0.1	131,889	131,212	132,789	130,618	+1.0
Nondefense	93,163	93,299	93,031	-0.1	+0.3	-0.3	93,390	92,724	93,625	92,414	+1.1
Excluding aircraft and parts	64,554	65,000	65,179	-0.7	-0.3	+0.3	64,511	64,668	65,674	66,450	-2.9
Defense	38,074	38,203	38,598	-0.3	-1.0	+0.8	38,499	38,488	39,164	38,204	+.8
Household durable goods industries	13,308	13,381	13,363	-0.5	+0.1	+0.9	13,015	13,242	13,563	13,341	-2.4

See footnotes at end of table 2.

Table 5. VALUE OF MANUFACTURERS' INVENTORIES, BY STAGE OF FABRICATION, BY INDUSTRY GROUP
(Millions of dollars)

Industry	Seasonally adjusted						Not seasonally adjusted				
	Monthly			Percent Change			Monthly				Percent change
	Oct. 1990[P]	Sep. 1990[r]	Aug. 1990	Sep.-Oct.[P]	Aug.-Sep.[r]	July-Aug.	Oct. 1990[P]	Sep. 1990[r]	Aug. 1990	Oct. 1989	Oct.90/89[P]
MATERIALS AND SUPPLIES											
All manufacturing industries	114,896	114,258	113,801	+0.6	+0.4	-0.1	114,662	113,729	113,935	114,173	+.4
Durable goods industries	66,949	66,564	66,444	+0.6	+0.2	-0.7	67,094	66,680	66,993	67,927	-1.2
Stone, clay, and glass products	2,624	2,596	2,575	+1.1	+0.8	+0.7	2,604	2,563	2,581	2,509	+3.8
Primary metals	6,596	6,453	6,442	+2.2	+0.2	-0.7	6,677	6,544	6,514	6,614	+1.0
Fabricated metal products	8,267	8,173	8,200	+1.2	-0.3	-0.6	8,154	8,161	8,268	8,735	-6.7
Machinery, except electrical	12,233	12,235	12,199	0.0	+0.3	-0.4	12,322	12,257	12,282	13,231	-6.9
Electrical machinery	11,053	10,964	10,978	+0.8	-0.1	-0.3	11,007	10,944	11,071	11,241	-2.1
Transportation equipment	13,772	13,578	13,653	+1.4	-0.5	-3.0	13,829	13,644	13,841	13,312	+3.9
Instruments and related products	4,867	4,883	4,842	-0.3	+0.8	-0.9	4,801	4,860	4,881	4,561	+5.3
Lumber, furniture and miscellaneous durable goods	7,537	7,682	7,555	-1.9	+1.7	+1.9	7,700	7,707	7,555	7,724	-.3
Nondurable goods industries	47,947	47,694	47,357	+0.5	+0.7	+0.7	47,568	47,049	46,942	46,246	+2.9
Food and kindred products	9,076	9,066	9,011	+0.1	+0.6	+1.4	9,225	8,636	8,686	8,685	+6.2
Tobacco products	4,232	4,251	4,369	-0.4	-2.7	+1.4	4,114	4,129	4,077	4,162	-1.2
Textile mill products	2,442	2,441	2,413	0.0	+1.2	+0.7	2,348	2,402	2,433	2,336	+.5
Paper and allied products	6,888	6,873	6,855	+0.2	+0.3	-1.0	6,815	6,888	6,832	6,684	+2.0
Chemicals and allied products	10,425	10,241	10,175	+1.8	+0.6	+0.4	10,358	10,196	10,205	10,107	+2.5
Petroleum and coal products	3,027	2,970	2,789	+1.9	+6.5	+1.9	2,996	2,923	2,775	2,371	+26.4
Rubber and plastics products	4,024	3,939	3,854	+2.2	+2.2	+1.4	3,994	3,935	3,823	3,950	+1.1
Apparel, printing and publishing and leather goods	7,833	7,913	7,891	-1.0	+0.3	+0.5	7,718	7,940	8,111	7,951	-2.9
WORK IN PROCESS											
All manufacturing industries	139,102	139,624	138,678	-0.4	+0.7	+0.6	139,780	139,940	139,803	138,122	+1.2
Durable goods industries	117,453	117,924	117,530	-0.4	+0.3	+0.3	117,875	118,250	118,541	115,756	+1.8
Stone, clay, and glass products	1,002	1,007	1,002	-0.5	+0.5	+1.0	969	987	994	1,036	-6.5
Primary metals	8,509	8,667	8,559	-1.8	+1.3	+2.8	8,436	8,634	8,525	8,531	-1.1
Fabricated metal products	8,213	8,229	8,371	-0.2	-1.7	+1.7	8,297	8,234	8,281	8,156	+1.7
Machinery, except electrical	20,460	20,377	19,925	+0.4	+2.3	+0.1	20,425	20,577	20,120	19,854	+2.9
Electrical machinery	18,224	18,353	18,412	-0.7	-0.3	-0.9	18,330	18,541	18,733	19,811	-7.5
Transportation equipment	52,064	52,202	52,105	-0.3	+0.2	0.0	52,539	52,245	52,664	49,968	+5.1
Instruments and related products	4,875	4,945	5,048	-1.4	-2.0	-0.7	4,896	4,966	5,104	5,584	-12.3
Lumber, furniture and miscellaneous durable goods	4,106	4,144	4,108	-0.9	+0.9	+3.0	3,983	4,066	4,120	3,654	+9.0
Nondurable goods industries	21,649	21,700	21,148	-0.2	+2.6	+2.1	21,905	21,690	21,262	21,528	+1.8
Food and kindred products	2,954	2,784	2,671	+6.1	+4.2	-1.0	3,088	2,782	2,585	2,921	+5.7
Tobacco products	280	262	263	+6.9	-0.4	-4.4	420	299	218	360	+16.7
Textile mill products	2,518	2,542	2,563	-0.9	-0.8	+1.2	2,496	2,522	2,558	2,492	+.2
Paper and allied products	1,272	1,287	1,305	-1.2	-1.4	-3.0	1,262	1,283	1,336	1,385	-8.9
Chemicals and allied products	4,895	4,849	4,854	+0.9	-0.1	-0.1	4,903	4,852	4,932	4,834	+1.4
Petroleum and coal products	3,771	4,021	3,380	-6.2	+19.0	+14.4	3,819	3,921	3,414	2,970	+28.6
Rubber and plastics products	1,459	1,377	1,366	+6.0	+0.8	-1.9	1,448	1,396	1,378	1,465	-1.2
Apparel, printing and publishing and leather goods	4,500	4,578	4,746	-1.7	-3.5	+2.1	4,469	4,635	4,841	5,101	-12.4
FINISHED GOODS											
All manufacturing industries	123,261	123,099	121,819	+0.1	+1.1	+0.3	122,331	121,686	122,171	118,513	+3.2
Durable goods industries	62,321	62,438	62,679	-0.2	-0.4	+0.6	61,282	60,905	62,288	61,286	.0
Stone, clay, and glass products	4,409	4,309	4,243	+2.3	+1.6	+1.0	4,246	4,172	4,194	4,054	+4.7
Primary metals	6,385	6,292	6,148	+1.5	+2.3	+2.3	6,215	6,192	6,062	5,544	+12.1
Fabricated metal products	7,246	7,074	6,983	+2.4	+1.3	-0.4	7,059	6,872	6,901	6,652	+6.1
Machinery, except electrical	14,858	15,148	15,564	-1.9	-2.7	+0.6	14,713	14,585	15,499	15,184	-3.1
Electrical machinery	10,419	10,460	10,467	-0.4	-0.1	+0.8	10,229	10,200	10,503	10,138	+.9
Transportation equipment	7,955	8,035	8,241	-1.0	-2.5	+0.2	8,052	7,929	8,058	8,170	-1.4
Instruments and related products	3,607	3,698	3,697	-2.5	0.0	-0.8	3,616	3,670	3,705	4,166	-13.2
Lumber, furniture and miscellaneous durable goods	7,442	7,422	7,336	+0.3	+1.2	+0.6	7,152	7,285	7,366	7,378	-3.1
Nondurable goods industries	60,940	60,661	59,140	+0.5	+2.6	+0.1	61,049	60,781	59,883	57,227	+6.7
Food and kindred products	15,600	15,795	15,574	-1.2	+1.4	+0.5	16,559	16,636	16,227	15,833	+4.6
Tobacco products	1,232	1,294	1,220	-4.8	+6.1	+7.3	1,302	1,260	1,254	1,137	+14.5
Textile mill products	3,437	3,427	3,359	+0.3	+2.0	-0.4	3,356	3,358	3,436	3,103	+8.2
Paper and allied products	4,593	4,595	4,587	0.0	+0.2	+0.4	4,402	4,402	4,516	4,250	+3.6
Chemicals and allied products	14,276	14,295	14,080	-0.1	+1.5	-0.9	14,042	13,861	13,868	14,040	.0
Petroleum and coal products	6,399	6,095	5,210	+5.0	+17.0	+5.1	6,485	6,175	5,230	5,152	+25.9
Rubber and plastics products	5,405	5,291	5,239	+2.2	+1.0	-0.1	5,207	5,148	5,161	4,912	+6.0
Apparel, printing and publishing and leather goods	9,998	9,869	9,871	+1.3	0.0	-2.3	9,696	9,941	10,191	8,800	+10.2

[P]Preliminary. [r]Revised.

Table 6. RATIO OF MANUFACTURES' INVENTORIES TO SHIPMENTS AND UNFILLED ORDERS TO SHIPMENTS, BY INDUSTRY GROUP
(Based on seasonally adjusted data)

Industry	Inventory / Shipments ratio				Unfilled Orders / Shipments ratio[1]			
	Oct. 1990P	Sep. 1990r	Aug. 1990	July 1990	Oct. 1990P	Sep. 1990r	Aug. 1990	July 1990
All manufacturing industries	1.52	1.55	1.52	1.57	3.90	3.91	3.83	3.91
Durable goods industries	1.95	1.99	1.92	1.97	4.76	4.80	4.66	4.78
Stone, clay, and glass products	1.53	1.50	1.45	1.42	1.14	1.12	1.07	1.03
Primary metals	1.82	1.86	1.81	1.76	1.99	2.01	2.00	1.99
Fabricated metal products	1.66	1.66	1.65	1.65	1.93	1.99	1.94	1.95
Machinery, except electrical	2.11	2.15	2.12	2.24	2.86	2.92	2.85	3.09
Electrical machinery	1.93	1.93	1.95	1.94	4.39	4.42	4.52	4.46
Transportation equipment	2.21	2.30	2.08	2.25	13.05	13.22	11.97	12.59
Instruments and related products	1.94	2.08	2.03	2.09	2.05	2.15	2.10	2.15
Nondurable goods industries	1.08	1.09	1.09	1.12	0.69	0.68	0.68	0.67
Food and kindred products	0.80	0.81	0.80	0.80	(X)	(X)	(X)	(X)
Tobacco products	2.29	2.73	2.45	2.45	(X)	(X)	(X)	(X)
Textile mill products	1.71	1.74	1.68	1.69	(NA)	(NA)	(NA)	(NA)
Paper and allied products	1.16	1.15	1.15	1.15	(NA)	(NA)	(NA)	(NA)
Chemicals and allied products	1.28	1.28	1.27	1.32	(X)	(X)	(X)	(X)
Petroleum and coal products	0.72	0.75	0.76	0.89	(X)	(X)	(X)	(X)
Rubber and plastics products	1.41	1.40	1.38	1.34	(X)	(X)	(X)	(X)

P Preliminary. r Revised. (X) Not applicable. (NA) Not available.

[1] Excludes the following industries with no unfilled orders: Wood and lumber products; glass containers; metal cans, barrels and drums; farm machinery and equipment; motor vehicle assembly operations; other transportation equipment; foods and related products; tobacco; apparel and related products; building paper; die-cut paper and board; chemicals; petroleum and coal products; and rubber and plastics products.

Table 7. AVERAGE REVISIONS TO PREVIOUSLY PUBLISHED MONTHLY PERCENT CHANGES
(Based on seasonally adjusted data)

Industry	Shipments			New orders			Unfilled orders			Inventories		
	Oct. 1989	Oct.[1] 1985-1989	Oct. 1989-Sep. 1990	Oct. 1989	Oct.[1] 1985-1989	Oct. 1989-Sep. 1990	Oct. 1989	Oct.[1] 1985-1989	Oct. 1989-Sep. 1990	Oct. 1989	Oct.[1] 1985-1989	Oct. 1989-Sep. 1990
All manufacturing industries	0.3	0.2	0.1	0.3	0.2	0.2	0.0	0.1	0.1	0.0	0.1	0.1
Durable goods industries	0.1	0.3	0.1	0.2	0.3	0.4	0.0	0.1	0.1	0.0	0.0	0.1
Stone, clay, and glass products	1.0	0.9	0.5	1.1	1.1	0.5	0.0	0.6	0.3	0.1	0.1	0.2
Primary metals	0.4	0.5	0.3	0.5	0.4	0.5	0.0	0.2	0.3	0.1	0.2	0.1
Fabricated metal products	0.2	0.4	0.4	0.9	0.7	0.6	0.3	0.2	0.2	0.2	0.6	0.1
Machinery, except electrical	0.1	0.5	0.4	0.2	1.0	0.6	0.1	0.2	0.2	0.1	0.1	0.1
Electrical machinery	0.2	0.3	0.3	0.1	0.3	0.4	0.0	0.0	0.1	0.1	0.2	0.1
Transportation equipment	0.3	0.1	0.3	0.5	0.4	0.9	0.0	0.1	0.1	0.0	0.0	0.0
Instruments and related products	0.0	0.9	0.4	0.0	0.6	0.7	0.0	0.2	0.2	0.2	0.4	0.2
Nondurable goods industries	0.4	0.2	0.2	0.4	0.2	0.2	0.0	0.4	0.4	0.1	0.1	0.1
Food and kindred products	0.2	0.3	0.2	(X)	(X)	(X)	(X)	(X)	(X)	0.1	0.4	0.2
Tobacco products	0.3	0.1	0.1	(X)	(X)	(X)	(X)	(X)	(X)	0.0	0.0	0.0
Textile mill products	1.0	1.2	0.7	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	0.1	1.0	0.3
Paper and allied products	0.3	0.4	0.2	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	0.2	0.1	0.1
Chemicals and allied products	0.5	0.4	0.3	(X)	(X)	(X)	(X)	(X)	(X)	0.0	0.2	0.1
Petroleum and coal products	0.5	0.3	0.3	(X)	(X)	(X)	(X)	(X)	(X)	0.4	0.3	0.2
Rubber and plastics products	0.9	0.6	0.7	(X)	(X)	(X)	(X)	(X)	(X)	0.2	0.3	0.3
Capital goods industries:												
Nondefense	0.1	0.5	0.3	0.1	0.9	0.6	0.0	0.1	0.1	0.1	0.1	0.1
Defense	0.2	0.3	0.3	1.0	1.0	1.3	0.1	0.1	0.1	0.0	0.4	0.0

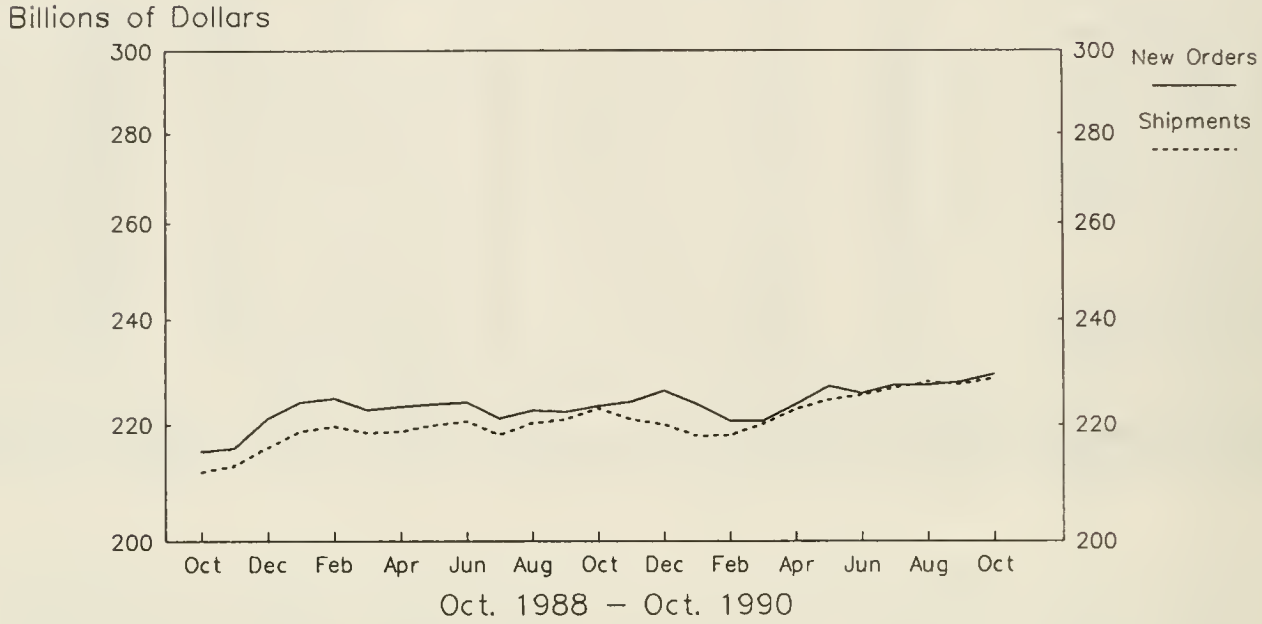
(X) Not applicable. (NA) Not available.

Note: The revisions are the differences between the month-to-month percent changes of the preliminary and final estimates. The monthly averages are the simple averages of the differences, without regard to sign, for the months specified. The advance to final percent change revisions for the durable goods industries are shown in the advance report for the month.

[1] Average for this month for the last five years.

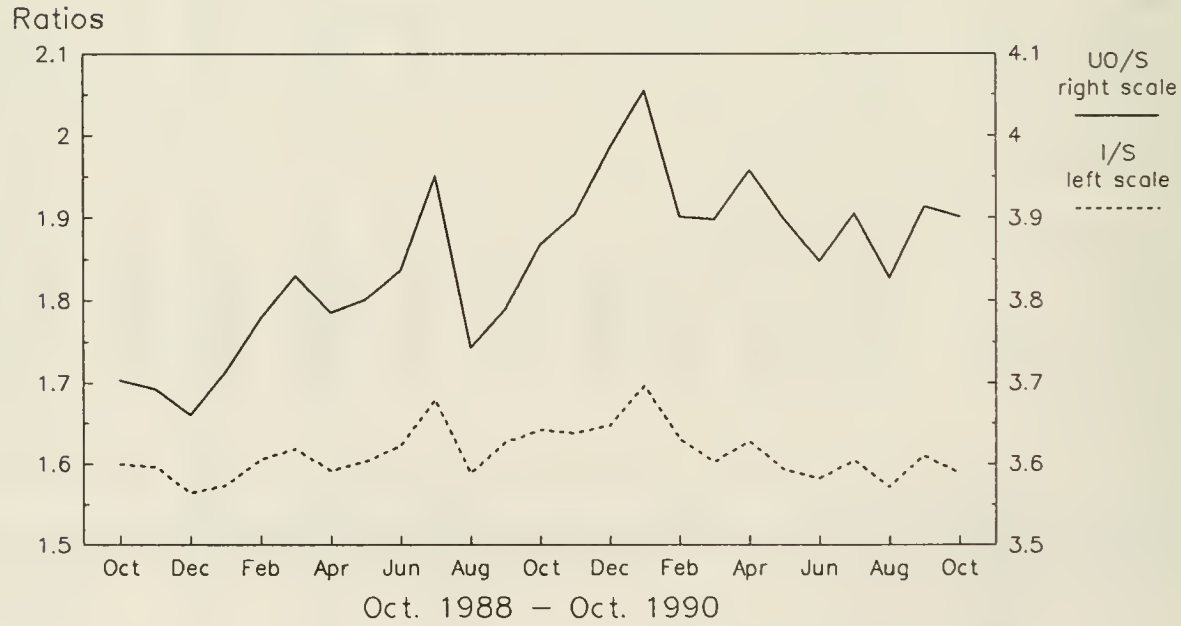
Total Manufacturing Excluding Petroleum Refining

New Orders and Shipments
Three Month Moving Averages



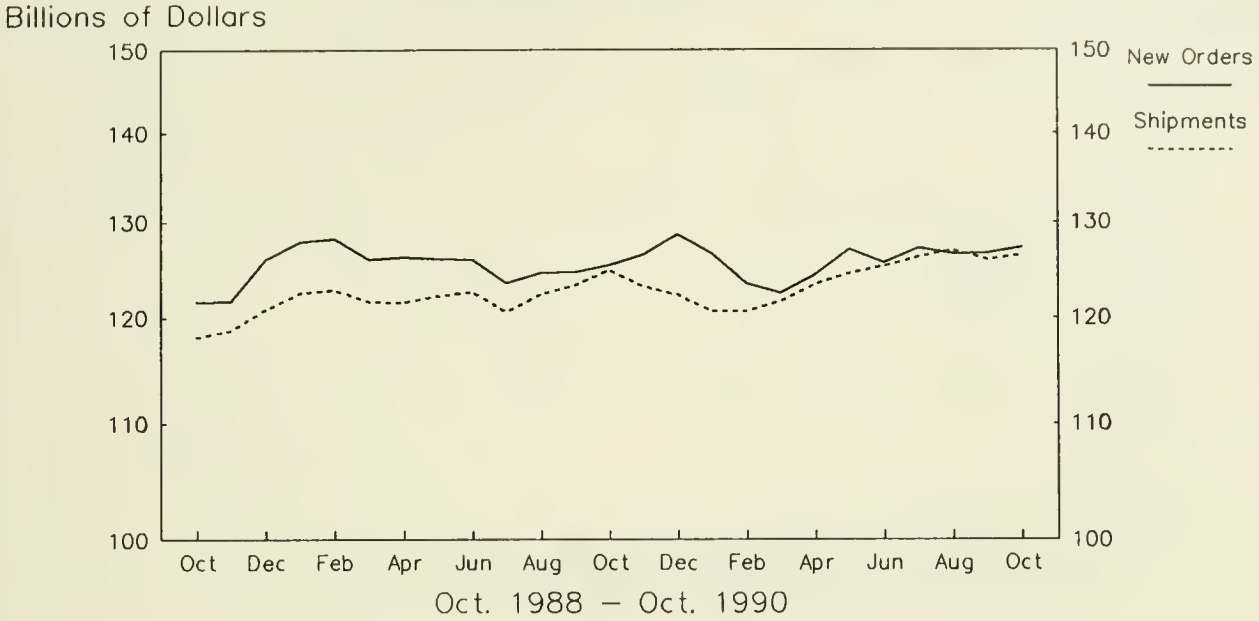
Total Manufacturing Excluding Petroleum Refining

Ratios of Unfilled Orders and
Inventories to Shipments

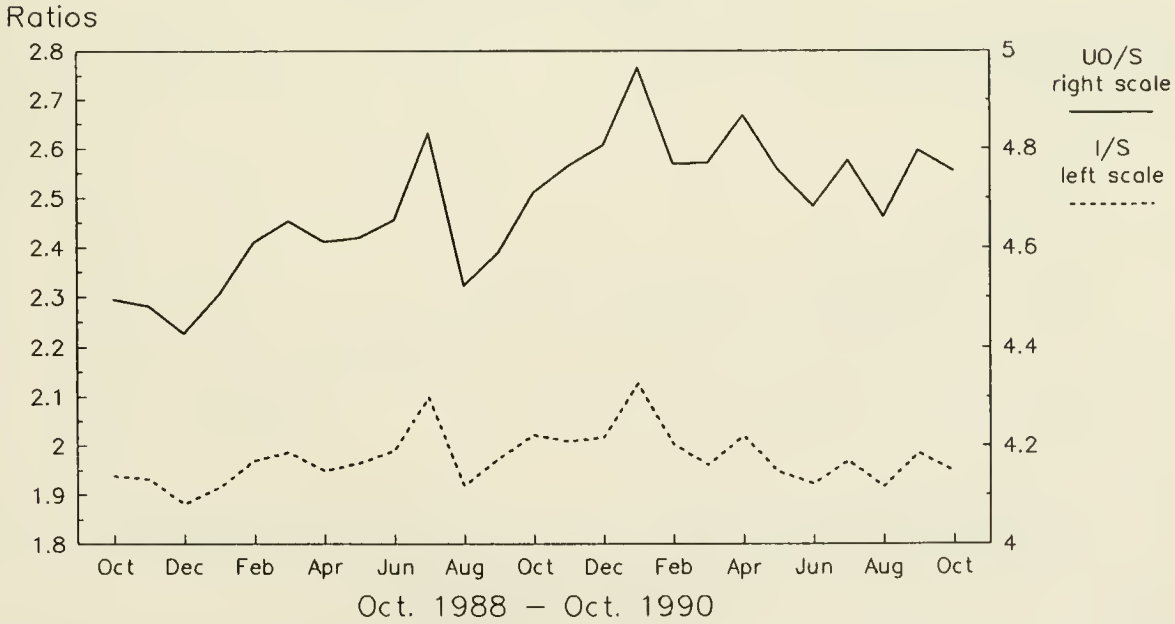


Note: All Charts based on seasonally adjusted current dollars.

Total Durable Goods
New Orders and Shipments
Three Month Moving Average



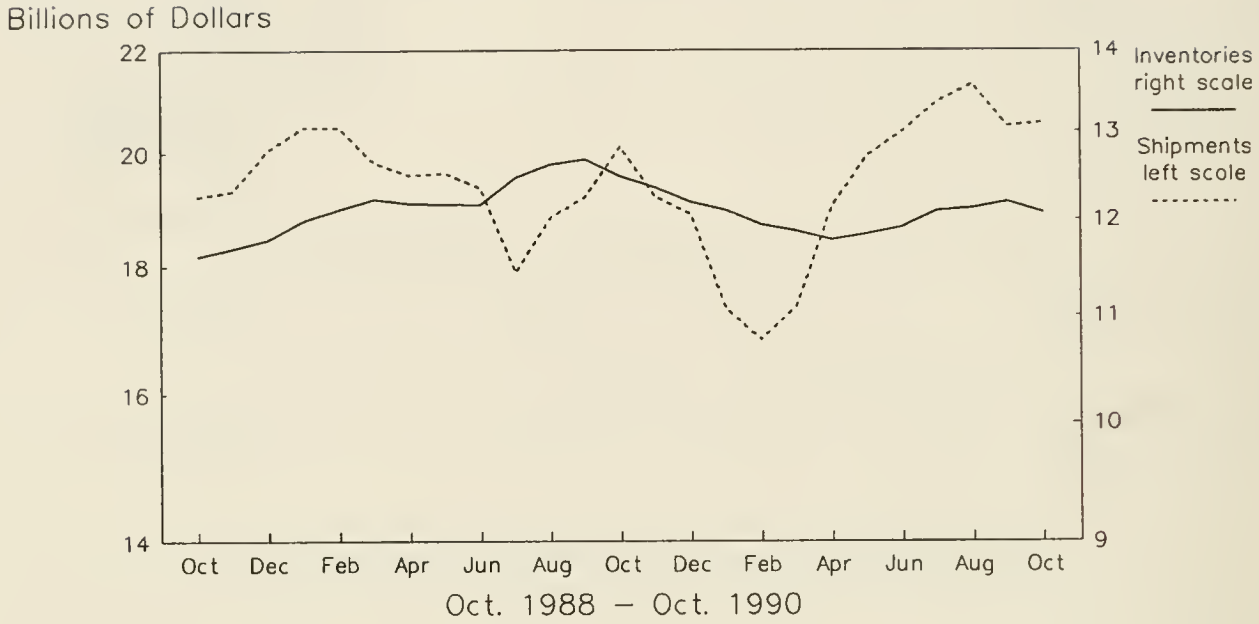
Total Durable Goods
Ratios of Unfilled Orders and
Inventories to Shipments



Note: All Charts based on seasonally adjusted current dollars.

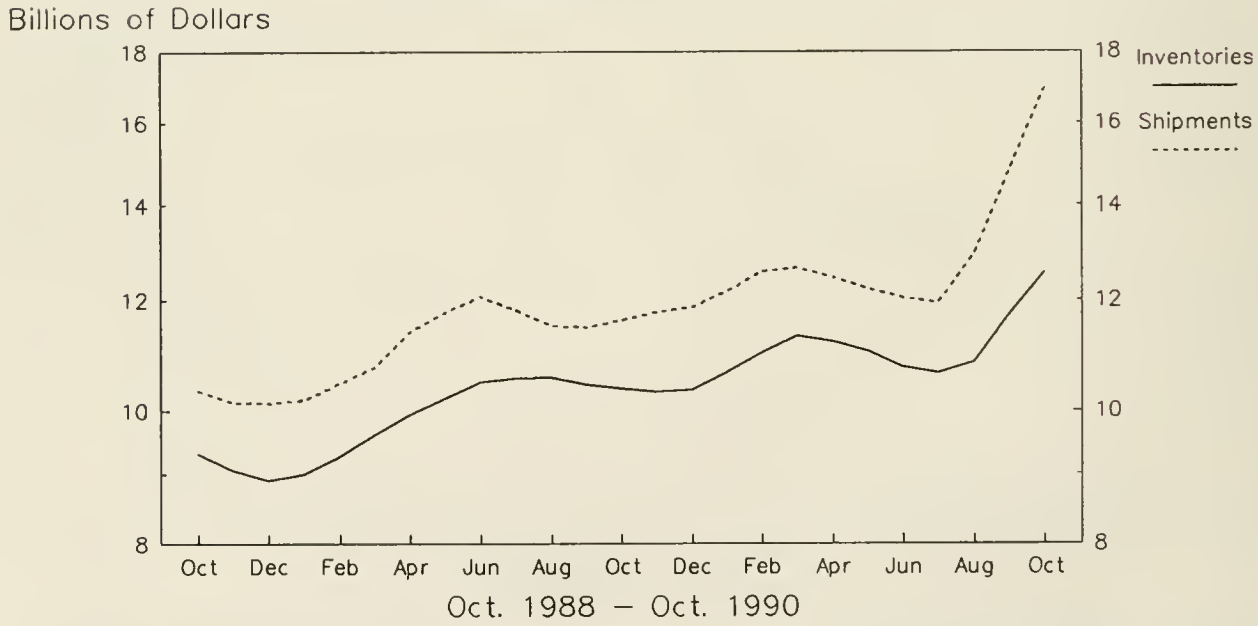
Motor Vehicles and Parts

Shipments and Inventories
Three Month Moving Averages



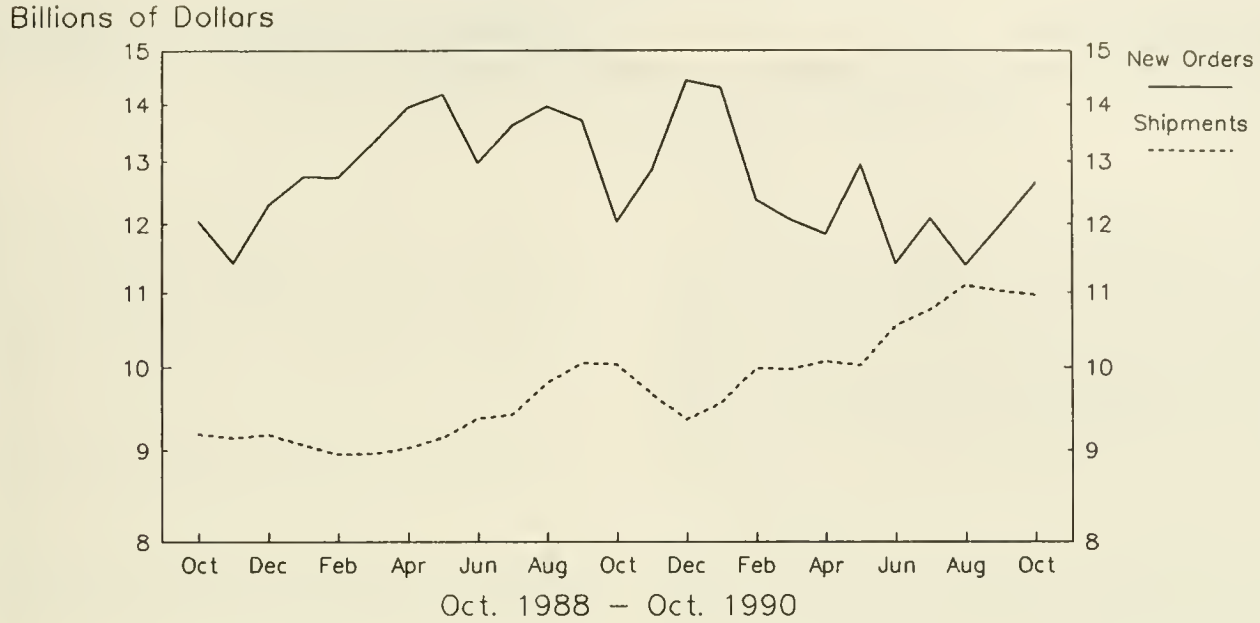
Petroleum and Coal Products

Shipments and Inventories
Three Month Moving Averages

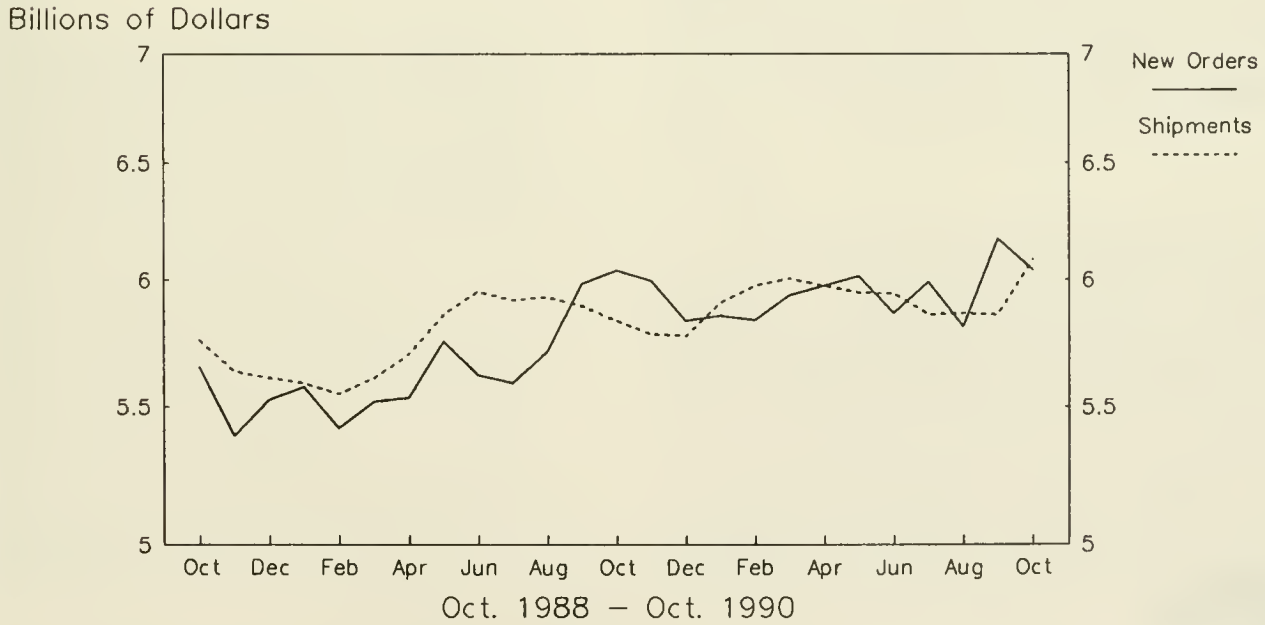


Note: All Charts based on seasonally adjusted current dollars.

Aircraft, Missiles and Parts
New Orders and Shipments
Three Month Moving Averages



Office and Computing Equipment
New Orders and Shipments
Three Month Moving Average



Note: All Charts based on seasonally adjusted current dollars.

U.S. Department of Commerce
BUREAU OF THE CENSUS
Washington, D.C. 20233

Official Business

Penalty for Private Use, $300

POSTAGE AND FEES PAID
U S DEPARTMENT OF COMMERCE

COM-202

First Class Mail

C 3.158:M 3-1(90)-11
Current Industrial Reports,...

SUPERINTENDENT OF DOCUMENTS
DEPOSITORY
Feb.
B 21 1991

BOSTON PUBLIC LIBRARY
GOVERNMENT DOCUMENTS DEPARTMENT

Manufacturers' Shipments, Inventories, and Orders

U. S. Department of Commerce
BUREAU OF THE CENSUS

November 1990
M3-1-(90)-11
For Wire Transmissions 10:00 a.m. E.S.T. Friday, January 4, 1991

(All figures in text are in seasonally adjusted current dollars)

Summary

New orders for manufactured goods in November declined $14.7 billion or 5.9 percent to $235.4 billion, the Department of Commerce, Bureau of the Census reported today. This is the largest one month decrease on record and the sharpest since the 5.5 percent drop in January when the level was $227.6 billion.

Shipments of manufactured goods in November were down $5.6 billion or 2.3 percent to $241.4 billion, the fifth decline this year and the largest since the 2.3 percent decrease in July 1989.

Unfilled orders were down $6.0 billion or 1.1 percent to $516.4 billion, the fourth decline this year and the largest one month decrease since the 1.6 percent drop in August 1982.

Manufacturers' inventories in November were up $0.8 billion or 0.2 percent to $378.2 billion. This is the fifth consecutive monthly increase following a 12 month period when inventories were relatively unchanged, averaging $371.9 billion. The inventory to shipments ratio in November was back up to the level of last July of 1.57.

New Orders

The decline in the November new orders was concentrated in the durable goods sector, down $13.8 billion or 10.7 percent to $115.6 billion. Declines in the major industries were widespread. The largest decrease was in transportation equipment which fell $10.4 billion or 27.6 percent to $27.3 billion. Aircraft and parts dropped 38.7 percent, more than offsetting last month's 20.4 percent increase. The rest of the decline in transportation was concentrated in motor vehicles and parts.

Primary metals dropped $1.2 billion or 10.3 percent to $10.7 billion, the largest one month decline since a 14.1 percent drop in January 1988. Electrical machinery was down $1.5 billion or 7.5 percent to $18.4 billion, the lowest level since March 1989. Nonelectrical machinery was down $0.1 billion or 0.4 percent to $22.2 billion.

New orders for nondurable goods were down $0.9 billion or 0.8 percent to $119.7 billion. Most of the decline was in the petroleum refining industry.

Shipments

The decline in shipments in November was also concentrated in the durables sector, down $4.7 billion or 3.7 percent to $121.5 billion. Transportation equipment accounted for $3.5 billion of the decline, down 10.7 percent to $29.5 billion; motor vehicles and parts dropped $3.4 billion or 16.6 percent to $17.0 billion. Other significant declines were in fabricated metals, down $0.6 billion or 3.9 percent and primary metals down $0.5 billion or 4.4 percent. Both electrical and nonelectrical machinery had slight increases.

Nondurables shipments were down $0.9 billion or 0.8 percent to $119.9 billion. The largest decreases were in petroleum refining of $0.8 billion or 4.7 percent to $17.3 billion and rubber and plastics of $0.3 billion or 4.0 percent to $7.3 billion. Price declines in petroleum influenced that industry's decrease.

Unfilled Orders

Unfilled orders for durable goods dropped $5.9 billion or 1.2 percent to $497.4 billion. This is the largest one month decline since the 1.1 percent drop in November 1985. Transportation equipment and electrical machinery accounted for over three-fourths of the drop. Transportation was down $2.3 billion or 0.8 percent and electrical machinery $2.2 billion or 2.5 percent. Primary metals were down $0.5 billion or 1.9 percent, all attributable to steel. Nonelectrical machinery declined $0.5 billion or 0.8 percent.

Inventories

The 0.2 percent increase in inventories resulted from a $1.1 billion or 0.5 percent increase in durables more than offsetting a $0.3 billion or 0.3 percent decline in nondurables. The durables increase was in transportation equipment; aircraft and parts were up $0.9 billion or 1.6 percent and motor vehicles and parts $0.3 billion or 2.8 percent. Most of the nondurable goods industries had decreases except chemicals which increased 0.7 percent.

By stage of fabrication, materials and supplies in both durables and nondurables were up 0.3 percent; work in process and finished goods for durables were up 0.6 percent and 0.4 percent respectively; for nondurables they declined 1.2 percent and 0.3 percent respectively.

The advance report on durable goods for December is scheduled for January 29, 1991 at 8:30 a.m. and the full report on February 5, 1991 at 10:00 a.m. Address inquiries concerning these figures to U.S. Department of Commerce, Bureau of the Census, Industry Division, Washington, DC 20233 or call Ruth Runyan or Kathleen Menth, (301) 763-2502 or (301) 763-2512.

For sale by the Superintendent of Documents, U.S. Government Printing Office, Washington, DC 20402. This report is also available the day of issue through the Department of Commerce's online Economic Bulletin Board (N-8-1) (202-377-3870) and through the Census Bureau's online information service-CENDATA. CENDATA is available from Dialog Information Services, INC. (1-800-334-2464) and CompuServe (1-800-848-8199). The CENDATA staff at the Bureau of the Census (301-763-2074) can provide content information and general guidance.

Table 1. VALUE OF MANUFACTURERS' SHIPMENTS FOR INDUSTRY GROUPS, MARKET CATEGORIES AND SUPPLEMENTARY SERIES
(Millions of dollars)

Industry	Seasonally adjusted						Not seasonally adjusted[1]						
	Monthly			Percent Change			Monthly				Percent change	Year to date	
	Nov. 1990p	Oct. 1990r	Sep. 1990	Oct.-Nov.p	Sep.-Oct.r	Aug.-Sep.	Nov. 1990p	Oct. 1990r	Sep. 1990	Nov. 1989	Nov.90/89p	1990p	1989
All manufacturing industries	241,370	246,995	243,291	-2.3	+1.5	-1.0	238,974	253,690	257,662	231,320	+3.3	2,629,746	2,552,689
Manufacturing industries with unfilled orders	131,244	133,662	132,661	-1.8	+0.8	-2.1	130,764	137,054	142,136	129,188	+1.2	1,453,634	1,410,145
Durable goods industries	121,497	126,196	124,315	-3.7	+1.5	-3.3	119,812	129,993	132,318	122,261	-2.0	1,366,371	1,349,343
With unfilled orders	102,995	105,488	104,219	-2.4	+1.2	-2.6	102,202	107,662	112,219	101,290	+0.9	1,142,920	1,110,354
Stone, clay, and glass products	5,096	5,245	5,267	-2.8	-0.4	-2.1	5,080	5,632	5,614	5,414	-6.2	59,595	60,102
Primary metals	11,198	11,712	11,539	-4.4	+1.5	-1.3	10,920	12,059	11,788	11,271	-3.1	126,940	135,293
Blast furnaces, steel mills	4,642	4,822	4,686	-3.7	+2.9	-1.7	4,470	4,923	4,667	4,586	-2.5	51,690	55,113
Iron and steel foundries	784	827	851	-5.2	-2.8	+0.7	770	899	872	785	-1.9	9,152	9,522
Nonferrous and other primary metals	5,772	6,063	6,002	-4.8	+1.0	-1.3	5,680	6,237	6,249	5,900	-3.7	66,098	70,658
Fabricated metal products	13,719	14,270	14,178	-3.9	+0.6	-0.4	13,303	14,872	14,841	13,693	-2.8	155,880	149,839
Machinery, except electrical	22,651	22,628	22,215	+0.1	+1.9	-1.2	21,424	22,171	24,410	21,345	+0.4	243,451	241,581
Engines and turbines	1,348	1,290	1,374	+4.5	-6.1	+2.2	1,329	1,214	1,473	1,285	+3.4	14,364	14,883
Construction, mining and material handling equipment	3,404	3,034	2,919	+12.2	+3.9	-4.7	3,394	3,002	2,902	3,012	+12.7	33,218	30,762
Metalworking machinery	1,053	1,095	1,068	-3.8	+2.5	-2.3	1,101	1,171	1,148	1,089	+1.1	11,601	11,219
Office and computing machines	5,916	6,325	6,110	-6.5	+3.5	+4.6	5,585	5,671	7,956	5,555	+0.5	63,542	61,699
Electrical machinery	20,652	20,562	20,570	+0.4	0.0	+0.8	21,070	20,541	22,695	20,365	+3.5	223,920	217,692
Electrical transmission and distribution equipment and industrial apparatus	2,437	2,461	2,566	-1.0	-4.1	+3.2	2,368	2,452	2,855	2,355	+0.6	27,709	27,364
Household appliances	1,594	1,538	1,526	+3.6	+0.8	+2.0	1,486	1,569	1,634	1,525	-2.6	17,825	17,806
Radio and TV	1,135	1,118	1,075	+1.5	+4.0	+8.5	1,360	1,388	1,427	1,200	+13.3	11,545	11,476
Communication equipment	6,989	7,001	6,989	-0.2	+0.2	+1.5	7,099	6,559	7,676	6,739	+5.3	74,210	69,590
Electronic components	5,135	5,045	4,981	+1.8	+1.3	-2.3	5,079	4,988	5,314	4,853	+4.7	55,263	53,275
Other electrical machinery	3,362	3,399	3,433	-1.1	-1.0	-0.6	3,678	3,585	3,789	3,693	-0.4	37,368	38,181
Transportation equipment	29,541	33,081	32,060	-10.7	+3.2	-9.8	29,689	34,824	33,287	31,955	-7.1	349,883	341,481
Motor vehicles and parts	16,976	20,353	18,916	-16.6	+7.6	-14.7	17,108	22,471	19,530	20,636	-17.1	214,368	216,607
Aircraft, missiles, and parts.	10,583	10,613	10,975	-0.3	-3.3	-3.3	10,698	10,209	11,579	9,359	+14.3	112,904	101,057
Shipbuilding and military tank vehicles	929	1,018	1,004	-8.7	+1.4	+5.8	917	1,005	1,008	954	-3.9	10,313	9,997
Instruments and related products	6,863	6,874	6,518	-0.2	+5.5	-2.7	6,808	6,984	6,988	6,456	+5.5	72,911	70,146
Scientific and engineering instruments	4,529	4,487	4,318	+0.9	+3.9	-3.3	4,380	4,474	4,621	4,232	+3.5	48,731	46,704
All other durable goods	11,777	11,824	11,968	-0.4	-1.2	-1.6	11,518	12,910	12,695	11,762	-2.1	133,791	133,209
Nondurable goods industries	119,873	120,799	118,976	-0.8	+1.5	+1.7	119,162	123,697	125,344	109,059	+9.3	1,263,375	1,203,346
With unfilled orders	28,249	28,174	28,442	+0.3	-0.9	0.0	28,562	29,392	29,917	27,898	+2.4	310,714	299,791
Food and kindred products	34,580	34,444	34,059	+0.4	+1.1	-0.4	34,346	35,431	36,208	32,689	+5.1	372,397	355,749
Dairy products	4,745	4,769	4,766	-0.5	+0.1	-1.7	4,726	4,714	4,879	4,682	+0.9	52,974	47,907
Beverages	4,388	4,269	4,318	+2.8	-1.1	+2.3	4,164	4,135	4,387	3,972	+4.8	47,112	46,856
All other foods	16,361	16,422	15,989	-0.4	+2.7	-1.3	16,590	17,277	17,711	15,635	+6.1	175,136	167,502
Tobacco products	2,568	2,534	2,131	+1.3	+18.9	-10.6	2,956	2,307	2,451	2,363	+25.1	24,015	21,574
Textile mill products	4,946	4,938	4,841	+0.2	+2.0	-2.4	5,021	5,239	5,297	5,428	-7.5	55,810	58,982
Broadwoven fabrics	2,878	2,864	2,848	+0.5	+0.6	-3.1	2,832	2,976	3,115	3,183	-11.0	32,296	35,524
Paper and allied products	11,000	10,988	11,046	+0.1	-0.5	-0.4	10,681	11,092	11,261	10,641	+0.4	120,837	120,297
Pulp, paper etc.	4,725	4,753	4,862	-0.6	-2.2	+1.4	4,590	4,717	4,873	4,625	-0.8	51,790	53,253
Paperboard containers	2,698	2,705	2,618	-0.3	+3.3	-1.7	2,601	2,795	2,708	2,623	-0.8	29,538	29,806
All other paper products	3,577	3,530	3,566	+1.3	-1.0	-1.8	3,490	3,580	3,680	3,393	+2.9	39,509	37,238
Chemicals and allied products	23,210	23,180	22,931	+0.1	+1.1	-0.1	22,106	22,532	23,675	20,202	+9.4	244,451	234,828
Industrial chemicals, except pigments	6,277	6,284	6,277	-0.1	+0.1	+1.6	5,988	6,215	6,235	5,167	+15.9	64,938	63,885
Drugs, soaps, and toiletries	7,703	7,619	7,120	+1.1	+7.0	-4.1	7,464	7,501	8,143	6,821	+9.4	80,040	74,548
Other chemical products	6,123	6,152	6,337	-0.5	-2.9	+4.2	5,964	6,121	6,425	5,532	+7.8	65,187	62,461
Petroleum and coal products	17,271	18,117	17,415	-4.7	+4.0	+16.3	17,183	18,413	17,970	11,545	+48.8	154,408	126,299
Rubber and plastics products	7,322	7,629	7,575	-4.0	+0.7	0.0	7,004	7,996	7,863	7,322	-4.3	83,616	88,758
All other nondurable goods	18,976	18,969	18,978	0.0	0.0	+0.5	19,865	20,687	20,619	18,869	+5.3	207,841	196,859
Market categories:													
Home goods and apparel	14,533	14,655	14,275	-0.8	+2.7	-0.5	15,136	16,417	16,168	15,214	-0.5	161,930	164,530
Consumer staples	49,832	49,615	48,580	+0.4	+2.1	-1.3	50,146	50,508	52,409	47,023	+6.6	532,939	502,317
Equipment and defense prod. except automotive	41,163	41,196	40,623	-0.1	+1.4	-1.2	39,811	39,981	44,143	38,052	+4.6	440,807	419,711
Automotive equipment	19,133	22,592	21,200	-15.3	+6.6	-13.2	19,127	24,941	21,945	22,834	-16.2	239,491	243,036
Construction materials, supplies and intermediate products	16,324	16,848	16,914	-3.1	-0.4	-2.3	15,734	18,008	17,872	17,066	-7.8	192,532	194,804
Other materials, supplies, and intermediate products	100,385	102,089	101,699	-1.7	+0.4	+2.5	99,020	103,835	105,125	91,131	+8.7	1,062,047	1,028,291
Supplementary series:[2]													
Capital goods industries	45,143	45,341	45,504	-0.4	-0.4	-0.7	44,629	44,127	49,687	42,655	+4.6	486,890	468,591
Nondefense	35,996	36,567	36,595	-1.6	-0.1	-0.3	35,058	35,570	40,271	33,579	+4.4	391,469	374,819
Excluding aircraft and parts	30,383	30,917	30,523	-1.7	+1.3	-0.1	29,596	30,256	33,835	29,339	+0.9	332,341	325,194
Defense	9,147	8,774	8,909	+4.3	-1.5	-2.2	9,571	8,557	9,416	9,076	+5.5	95,421	93,772
Household durable goods industries	6,971	7,032	6,910	-0.9	+1.8	+1.1	7,213	7,817	7,904	7,167	+0.6	76,942	76,529

See footnotes at end of table 2.

Table 2. VALUE OF MANUFACTURERS' NEW ORDERS FOR INDUSTRY GROUPS, MARKET CATEGORIES AND SUPPLEMENTARY SERIES
(Millions of dollars)

Industry	Seasonally adjusted						Not seasonally adjusted[1]						
	Monthly			Percent Change			Monthly				Percent change	Year to date	
	Nov. 1990[p]	Oct. 1990[r]	Sep. 1990	Oct.-Nov.[p]	Sep.-Oct.[r]	Aug.-Sep.	Nov. 1990[p]	Oct. 1990[r]	Sep. 1990	Nov. 1989	Nov.90/89[p]	1990[p]	1989
All manufacturing industries	235,389	250,117	243,903	-5.9	+2.5	-0.2	233,172	254,724	258,106	238,524	-2.2	2,631,254	2,588,238
Manufacturing industries with unfilled orders	125,263	136,784	133,273	-8.4	+2.6	-0.7	124,962	138,088	142,580	136,392	-8.4	1,455,142	1,445,694
Durable goods industries	115,646	129,458	124,972	-10.7	+3.6	-1.6	114,546	131,666	132,944	130,044	-11.9	1,368,722	1,385,281
With unfilled orders	97,144	108,750	104,876	-10.7	+3.7	-0.5	96,936	109,335	112,845	109,073	-11.1	1,145,271	1,146,292
Stone, clay, and glass products	4,846	5,305	5,424	-8.7	-2.2	-1.2	4,844	5,563	5,713	5,461	-11.3	59,544	59,671
Primary metals	10,747	11,977	11,416	-10.3	+4.9	-0.8	10,392	11,778	11,226	10,977	-5.3	126,245	131,242
Blast furnaces, steel mills	4,028	4,897	4,606	-17.7	+6.3	-5.1	3,886	4,686	4,330	4,473	-13.1	51,179	52,253
Iron and steel foundries	787	846	817	-7.0	+3.5	-16.9	749	918	827	772	-3.0	9,598	9,631
Nonferrous and other primary metals	5,932	6,234	5,993	-4.8	+4.0	+5.6	5,757	6,174	6,069	5,732	+0.4	65,468	69,358
Fabricated metal products	13,390	13,648	14,760	-1.9	-7.5	+5.6	12,822	14,065	15,240	13,294	-3.6	154,722	146,891
Machinery, except electrical	22,178	22,271	22,559	-0.4	-1.3	+5.7	21,277	21,591	24,540	21,986	-3.2	242,250	243,954
Engines and turbines	1,326	1,348	1,598	-1.6	-15.6	+27.7	1,422	1,415	1,741	1,594	-10.8	15,901	17,095
Construction, mining and material handling equipment	3,294	3,186	2,794	+3.4	+14.0	-3.1	3,277	3,173	2,713	3,107	+5.5	32,864	31,503
Metalworking machinery	1,042	1,086	1,071	-4.1	+1.4	+1.9	1,057	1,081	1,198	1,104	-4.3	11,167	11,364
Office and computing machines	5,841	5,967	6,811	-2.1	-12.4	+26.9	5,627	5,293	8,584	5,825	-3.4	64,089	61,505
Electrical machinery	18,408	19,895	19,247	-7.5	+3.4	-7.0	19,254	19,912	21,468	21,827	-11.8	218,018	217,248
Electrical transmission and distribution equipment and industrial apparatus	2,137	2,686	2,581	-20.4	+4.1	+0.2	2,033	2,657	2,866	2,356	-13.7	27,643	27,432
Communication equipment	5,028	6,179	5,900	-18.6	+4.7	-13.0	5,843	5,978	6,992	8,244	-29.1	68,513	69,420
Electronic components	5,155	5,076	4,681	+1.6	+8.4	-14.1	4,961	4,893	4,790	4,777	+3.9	54,839	52,642
Other electrical machinery	3,348	3,355	3,474	-0.2	-3.4	-1.2	3,544	3,601	3,799	3,697	-4.1	37,700	38,463
Transportation equipment	27,260	37,654	33,008	-27.6	+14.1	-6.1	28,098	39,245	35,275	38,990	-27.9	361,596	382,741
Aircraft, missiles, and parts.	9,276	15,121	12,554	-38.7	+20.4	+21.6	10,066	14,699	14,382	16,422	-38.7	127,019	143,225
Shipbuilding and military tank vehicles	406	916	623	-55.7	+47.0	-64.4	360	830	494	735	-51.0	9,334	9,903
Instruments and related products	6,846	6,936	6,492	-1.3	+6.8	-1.7	6,690	7,028	6,988	6,280	+6.5	72,313	69,685
Scientific and engineering instruments	4,459	4,533	4,203	-1.6	+7.9	-3.5	4,259	4,582	4,499	4,094	+4.0	48,119	46,360
All other durable goods	11,971	11,772	12,066	+1.7	-2.4	-0.9	11,169	12,484	12,494	11,229	-0.5	134,034	133,849
Nondurable goods industries	119,743	120,659	118,931	-0.8	+1.5	+1.3	118,626	123,058	125,162	108,480	+9.4	1,262,532	1,202,957
With unfilled orders	28,119	28,034	28,397	+0.3	-1.3	-1.4	28,026	28,753	29,735	27,319	+2.6	309,871	299,402
Market categories:													
Home goods and apparel	14,914	14,439	14,570	+3.3	-0.9	+0.8	14,866	15,558	16,132	14,533	+2.3	161,983	165,201
Consumer staples	49,842	49,638	48,581	+0.4	+2.2	-1.3	50,193	50,476	52,368	47,071	+6.6	532,889	502,373
Equipment and defense prod. except automotive	37,165	45,688	40,679	-18.7	+12.3	+4.0	37,564	43,984	45,615	45,225	-16.9	444,054	451,238
Automotive equipment	18,860	22,472	21,099	-16.1	+6.5	-13.2	18,903	24,760	21,793	22,938	-17.6	238,312	241,735
Construction materials, supplies and intermediate products	15,985	16,722	17,327	-4.4	-3.5	-0.9	15,326	17,696	18,125	16,925	-9.4	191,803	193,018
Other materials, supplies, and intermediate products	98,623	101,158	101,647	-2.5	-0.5	+1.9	96,320	102,250	104,073	91,832	+4.9	1,062,213	1,034,673
Supplementary series:													
Capital goods industries	40,173	48,837	46,151	-17.7	+5.8	+4.3	41,228	47,613	51,591	51,704	-20.3	492,543	512,634
Nondefense	34,656	41,633	38,293	-16.8	+8.7	+6.8	33,722	40,430	41,890	38,389	-12.2	410,151	417,613
Excluding aircraft and parts	29,226	31,242	30,422	-6.5	+2.7	+2.7	28,443	30,375	33,655	30,008	-5.2	330,466	329,871
Defense	5,517	7,204	7,858	-23.4	-8.3	-6.1	7,506	7,183	9,701	13,315	-43.6	82,392	95,021
Household durable goods industries	7,212	6,895	7,014	+4.6	-1.7	+2.8	6,986	7,145	7,684	6,655	+5.0	76,937	76,876

[p] Preliminary. [r] Revised.

[1] Shipments and new orders are the totals for the period and are adjusted for trading-day and calendar-month variations; unfilled orders and inventories are as of the end of the period and are not adjusted for trading-day or calendar-month variations.

[2] The supplementary series are regroupings of the separate industry categories:

Nondefense capital goods include machinery, except electrical (excluding farm machinery and equipment and machine shops); electrical machinery (excluding household appliances, radio and TV, and electronic components); railroad equipment; and the nondefense portions of ordnance; communication equipment; aircraft, missiles and parts; tanks, and shipbuilding, converting and repairing.

Defense capital goods include ordnance; communication equipment; aircraft, missiles and parts; tanks, and shipbuilding, converting and repairing.

Household durable goods industries include household furniture; kitchen articles and pottery; cutlery, handtools, and hardware; household appliances; radio and TV; ophthalmic goods; watches and clocks; and miscellaneous personal goods.

Table 3. VALUE OF MANUFACTURERS' UNFILLED ORDERS FOR INDUSTRY GROUPS, MARKET CATEGORIES AND SUPPLEMENTARY SERIES
(Millions of dollars)

Industry	Seasonally adjusted						Not seasonally adjusted[1]				
	Monthly			Percent Change			Monthly				Percent change
	Nov. 1990p	Oct. 1990r	Sep. 1990	Oct.-Nov.p	Sep.-Oct.r	Aug.-Sep.	Nov. 1990p	Oct. 1990r	Sep. 1990	Nov. 1989	Nov.90/89p
All manufacturing industries	516,416	522,397	519,275	-1.1	+0.6	+0.1	511,450	517,252	516,218	499,483	+2.4
Durable goods industries	497,379	503,230	499,968	-1.2	+0.7	+0.1	492,975	498,241	496,568	479,895	+2.7
Stone, clay, and glass products	5,193	5,443	5,383	-4.6	+1.1	+3.0	5,096	5,332	5,401	5,181	-1.6
Primary metals	23,041	23,492	23,227	-1.9	+1.1	-0.5	21,374	21,902	22,183	21,093	+1.3
Blast furnaces, steel mills	8,967	9,581	9,506	-6.4	+0.8	-0.8	8,043	8,627	8,864	7,865	+2.3
Iron and steel foundries	2,770	2,767	2,748	+0.1	+0.7	-1.2	2,717	2,738	2,719	2,289	+18.7
Nonferrous and other primary metals	11,304	11,144	10,973	+1.4	+1.6	-0.1	10,614	10,537	10,600	10,939	-3.0
Fabricated metal products	24,669	24,998	25,620	-1.3	-2.4	+2.3	24,254	24,735	25,542	25,244	-3.9
Machinery, except electrical	59,830	60,303	60,660	-0.8	-0.6	+0.6	59,652	59,799	60,379	61,652	-3.2
Engines and turbines	7,936	7,958	7,900	-0.3	+0.7	+2.9	8,236	8,143	7,942	6,814	+20.9
Construction, mining and material handling equipment	8,985	9,095	8,943	-1.2	+1.7	-1.4	8,778	8,895	8,724	9,264	-5.2
Metalworking machinery	4,057	4,068	4,077	-0.3	-0.2	+0.1	4,098	4,142	4,232	4,727	-13.3
Office and computing machines	12,714	12,789	13,147	-0.6	-2.7	+5.6	12,854	12,812	13,190	12,876	-.2
Electrical machinery	87,965	90,209	90,876	-2.5	-0.7	-1.4	87,589	89,405	90,034	91,946	-4.7
Electrical transmission and distribution equipment and industrial apparatus	6,799	7,099	6,874	-4.2	+3.3	+0.2	6,745	7,080	6,875	6,916	-2.5
Communication equipment	61,175	63,136	63,958	-3.1	-1.3	-1.7	61,317	62,573	63,154	65,366	-6.2
Electronic components	13,832	13,812	13,781	+0.1	+0.2	-2.1	13,445	13,563	13,658	13,772	-2.4
Other electrical machinery	5,310	5,324	5,368	-0.3	-0.8	+0.8	5,294	5,428	5,412	4,946	+7.0
Transportation equipment	275,144	277,425	272,852	-0.8	+1.7	+0.3	274,479	276,070	271,649	253,727	+8.2
Aircraft, missiles, and parts.	239,748	241,055	236,547	-0.5	+1.9	+0.7	239,162	239,794	235,304	217,300	+10.1
Shipbuilding and military tank vehicles	26,299	26,822	26,924	-1.9	-0.4	-1.4	26,394	26,951	27,126	26,143	+1.0
Instruments and related products	14,076	14,093	14,031	-0.1	+0.4	-0.2	13,922	14,040	13,996	14,239	-2.2
Scientific and engineering instruments	13,046	13,116	13,070	-0.5	+0.4	-0.9	12,968	13,089	12,981	13,303	-2.5
All other durable goods	7,461	7,267	7,319	+2.7	-0.7	+1.4	6,609	6,958	7,384	6,813	-3.0
Nondurable goods industries	19,037	19,167	19,307	-0.7	-0.7	-0.2	18,475	19,011	19,650	19,588	-5.7
Market categories:											
Home goods and apparel	7,983	7,602	7,818	+5.0	-2.8	+3.9	6,829	7,099	7,958	7,246	-5.8
Consumer staples	827	817	794	+1.2	+2.9	+0.1	829	782	814	900	-7.9
Equipment and defense prod. except automotive	332,866	336,864	332,372	-1.2	+1.4	0.0	332,270	334,517	330,514	318,224	+4.4
Automotive equipment	6,677	6,950	7,070	-3.9	-1.7	-1.4	6,503	6,727	6,908	7,562	-14.0
Construction materials, supplies and intermediate products	13,401	13,740	13,866	-2.5	-0.9	+3.1	13,030	13,438	13,750	13,355	-2.4
Other materials, supplies, and intermediate products	154,662	156,424	157,355	-1.1	-0.6	0.0	151,989	154,689	156,274	152,196	-.1
Supplementary series:											
Capital goods industries	403,992	408,962	405,466	-1.2	+0.9	+0.2	403,464	406,865	403,379	388,286	+3.9
Nondefense	249,143	250,483	245,417	-0.5	+2.1	+0.7	248,930	250,266	245,406	221,567	+12.3
Excluding aircraft and parts	89,758	90,915	90,590	-1.3	+0.4	-0.1	89,545	90,698	90,579	91,417	-2.0
Defense	154,849	158,479	160,049	-2.3	-1.0	-0.7	154,534	156,599	157,973	166,719	-7.3
Household durable goods industries	5,648	5,407	5,544	+4.5	-2.5	+1.9	4,671	4,898	5,570	5,076	-8.0

See footnotes at end of table 2.

Table 4. VALUE OF MANUFACTURERS' INVENTORIES FOR INDUSTRY GROUPS, MARKET CATEGORIES AND SUPPLEMENTARY SERIES
(Millions of dollars)

Industry	Seasonally adjusted						Not seasonally adjusted[1]				
	Monthly			Percent Change			Monthly				Percent change
	Nov. 1990p	Oct. 1990r	Sep. 1990	Oct.-Nov.p	Sep.-Oct.r	Aug.-Sep.	Nov. 1990p	Oct. 1990r	Sep. 1990	Nov. 1989	Nov.90/89p
All manufacturing industries	378,237	377,451	376,981	+0.2	+0.1	+0.7	377,067	376,916	375,355	371,439	+1.5
Manufacturing industries with unfilled orders	260,923	259,918	259,750	+0.4	+0.1	0.0	259,424	259,206	259,079	258,379	+.4
Durable goods industries	247,944	246,818	246,926	+0.5	0.0	+0.1	247,019	246,268	245,835	246,486	+.2
With unfilled orders	228,917	227,817	227,780	+0.5	0.0	0.0	227,975	227,626	227,187	227,614	+.2
Stone, clay, and glass products	8,078	8,025	7,912	+0.7	+1.4	+1.2	7,846	7,806	7,722	7,597	+3.3
Primary metals	21,384	21,435	21,412	-0.2	+0.1	+1.2	21,327	21,309	21,370	20,719	+2.9
Blast furnaces, steel mills	10,900	10,833	10,832	+0.6	0.0	+1.5	11,009	10,883	10,898	10,715	+2.7
Iron and steel foundries	1,358	1,371	1,379	-0.9	-0.6	+1.3	1,302	1,317	1,333	1,307	-.4
Nonferrous and other primary metals	9,126	9,231	9,201	-1.1	+0.3	+0.9	9,016	9,109	9,139	8,697	+3.7
Fabricated metal products	23,691	23,699	23,476	0.0	+0.9	-0.3	23,392	23,500	23,267	23,501	-.5
Machinery, except electrical	47,649	47,576	47,760	+0.2	-0.4	+0.2	47,565	47,491	47,419	48,569	-2.1
Engines and turbines	3,186	3,153	3,089	+1.0	+2.1	+0.5	3,345	3,285	3,150	3,235	+3.4
Construction, mining and material handling equipment	7,645	7,621	7,614	+0.3	+0.1	+0.6	7,576	7,576	7,543	7,484	+1.2
Metalworking machinery	3,068	3,084	3,146	-0.5	-2.0	+0.3	3,062	3,134	3,178	3,170	-3.4
Office and computing machines	12,137	12,238	12,481	-0.8	-1.9	-0.4	12,149	12,285	12,409	13,096	-7.2
Electrical machinery	39,633	39,721	39,777	-0.2	-0.1	-0.2	39,261	39,583	39,685	40,736	-3.6
Electrical transmission and distribution equipment and industrial apparatus	5,059	5,031	4,979	+0.6	+1.0	-0.8	4,991	4,983	4,926	5,053	-1.2
Household appliances	2,709	2,746	2,767	-1.3	-0.8	0.0	2,568	2,618	2,622	2,894	-11.3
Radio and TV	1,697	1,792	1,807	-5.3	-0.8	+0.2	1,599	1,755	1,837	1,706	-6.3
Communication equipment	14,856	14,907	14,991	-0.3	-0.6	-0.2	14,923	15,021	15,115	16,164	-7.7
Electronic components	8,959	8,907	8,890	+0.6	+0.2	+0.5	8,941	8,906	8,895	8,715	+2.6
Other electrical machinery	6,353	6,338	6,343	+0.2	-0.1	-1.0	6,239	6,300	6,290	6,204	+.6
Transportation equipment	75,036	73,838	73,815	+1.6	0.0	-0.2	75,501	74,356	73,818	72,248	+4.5
Motor vehicles and parts	12,416	12,078	12,048	+2.8	+0.2	-0.7	12,703	12,095	12,099	12,513	+1.5
Aircraft, missiles, and parts.	58,401	57,497	57,120	+1.6	+0.7	0.0	58,572	57,946	57,006	55,112	+6.3
Shipbuilding and military tank vehicles	2,194	2,183	2,573	+0.5	-15.2	-2.4	2,211	2,274	2,652	2,428	-8.9
Instruments and related products	13,401	13,462	13,526	-0.5	-0.5	-0.4	13,392	13,413	13,496	14,376	-6.8
Scientific and engineering instruments	9,959	10,035	10,105	-0.8	-0.7	-0.6	9,959	9,980	10,053	10,467	-4.9
All other durable goods	19,072	19,062	19,248	+0.1	-1.0	+1.3	18,735	18,810	19,058	18,740	.0
Nondurable goods industries	130,293	130,633	130,055	-0.3	+0.4	+1.9	130,048	130,648	129,520	124,953	+4.1
With unfilled orders	32,006	32,101	31,970	-0.3	+0.4	-0.2	31,449	31,580	31,892	30,765	+2.2
Food and kindred products	27,624	27,746	27,645	-0.4	+0.4	+1.4	28,866	28,994	28,054	27,476	+5.1
Dairy products	2,814	2,854	2,971	-1.4	-3.9	+1.2	2,752	2,828	2,932	2,403	+14.5
Beverages	4,291	4,324	4,313	-0.8	+0.3	-0.8	4,287	4,327	4,295	4,264	+.5
All other foods	15,829	15,739	15,637	+0.6	+0.7	+1.9	16,890	17,022	16,482	16,557	+2.0
Tobacco products	5,630	5,731	5,807	-1.8	-1.3	-0.8	5,647	5,836	5,688	5,602	+.8
Textile mill products	8,278	8,381	8,410	-1.2	-0.3	+0.9	8,000	8,187	8,282	7,818	+2.3
Broadwoven fabrics	4,678	4,755	4,688	-1.6	+1.4	+1.4	4,575	4,621	4,581	4,508	+1.5
Paper and allied products	12,772	12,769	12,755	0.0	+0.1	+0.1	12,644	12,491	12,573	12,393	+2.0
Pulp, paper etc.	5,225	5,205	5,212	+0.4	-0.1	+0.2	5,147	5,055	5,092	4,897	+5.1
Paperboard containers	3,111	3,099	3,118	+0.4	-0.6	-0.4	3,061	3,058	3,133	3,149	-2.8
All other paper products	4,436	4,465	4,425	-0.6	+0.9	+0.2	4,436	4,378	4,348	4,347	+2.0
Chemicals and allied products	29,917	29,706	29,385	+0.7	+1.1	+0.9	29,743	29,397	28,909	29,044	+2.4
Industrial chemicals, except pigments	7,668	7,573	7,569	+1.3	+0.1	+1.4	7,607	7,474	7,511	8,094	-6.0
Drugs, soaps, and toiletries	10,291	10,273	10,191	+0.2	+0.8	+1.0	10,332	10,256	10,011	9,796	+5.5
Other chemical products	7,522	7,463	7,338	+0.8	+1.7	+0.4	7,424	7,353	7,235	7,207	+3.0
Petroleum and coal products	13,136	13,181	13,086	-0.3	+0.7	+15.0	13,143	13,299	13,019	10,574	+24.3
Rubber and plastics products	10,887	10,891	10,607	0.0	+2.7	+1.4	10,708	10,641	10,479	10,321	+3.7
All other nondurable goods	22,049	22,228	22,360	-0.8	-0.6	-0.7	21,297	21,803	22,516	21,725	-2.0
Market categories:											
Home goods and apparel	26,556	26,876	27,258	-1.2	-1.4	-0.1	25,365	26,131	26,995	26,634	-4.8
Consumer staples	47,687	47,764	47,694	-0.2	+0.1	+0.8	48,581	48,933	48,078	46,598	+4.3
Equipment and defense prod. except automotive	113,457	112,858	113,409	+0.5	-0.5	-0.2	113,293	113,069	112,806	113,633	-.3
Automotive equipment	15,382	15,072	15,021	+2.1	+0.3	-0.9	15,624	14,973	15,033	15,434	+1.2
Construction materials, supplies and intermediate products	26,534	26,608	26,416	-0.3	+0.7	+1.5	25,972	26,128	25,938	25,394	+2.3
Other materials, supplies, and intermediate products	148,621	148,273	147,183	+0.2	+0.7	+1.6	148,232	147,682	146,505	143,746	+3.1
Supplementary series:[2]											
Capital goods industries	132,155	131,286	131,502	+0.7	-0.2	-0.1	132,115	131,852	131,212	131,317	+.6
Nondefense	93,702	93,169	93,299	+0.6	-0.1	+0.3	93,606	93,387	92,724	93,151	+.5
Excluding aircraft and parts	64,553	64,557	65,000	0.0	-0.7	-0.3	64,392	64,538	64,668	66,702	-3.5
Defense	38,453	38,117	38,203	+0.9	-0.2	-1.0	38,509	38,465	38,488	38,166	+.9
Household durable goods industries	13,198	13,307	13,381	-0.8	-0.6	+0.1	12,676	13,014	13,242	13,155	-3.6

See footnotes at end of table 2.

Table 5. VALUE OF MANUFACTURERS' INVENTORIES, BY STAGE OF FABRICATION, BY INDUSTRY GROUP
(Millions of dollars)

Industry	Seasonally adjusted						Not seasonally adjusted				
	Monthly			Percent Change			Monthly				Percent change
	Nov. 1990[p]	Oct. 1990[r]	Sep. 1990	Oct.-Nov.[p]	Sep.-Oct.[r]	Aug.-Sep.	Nov. 1990[p]	Oct. 1990[r]	Sep. 1990	Nov. 1989	Nov.90/89[p]
MATERIALS AND SUPPLIES											
All manufacturing industries	115,457	115,103	114,258	+0.3	+0.7	+0.4	115,069	114,860	113,729	114,385	+.6
Durable goods industries	67,222	67,001	66,564	+0.3	+0.7	+0.2	67,103	67,124	66,680	67,797	-1.0
Stone, clay, and glass products	2,616	2,620	2,596	-0.2	+0.9	+0.8	2,581	2,600	2,563	2,605	-.9
Primary metals	6,444	6,576	6,453	-2.0	+1.9	+0.2	6,569	6,662	6,544	6,629	-.9
Fabricated metal products	8,060	8,232	8,173	-2.1	+0.7	-0.3	7,919	8,150	8,161	8,654	-8.5
Machinery, except electrical	12,325	12,268	12,235	+0.5	+0.3	+0.3	12,303	12,333	12,257	12,995	-5.3
Electrical machinery	11,136	11,074	10,964	+0.6	+1.0	-0.1	11,018	11,006	10,944	11,148	-1.2
Transportation equipment	14,216	13,785	13,578	+3.1	+1.5	-0.5	14,193	13,834	13,644	13,473	+5.3
Instruments and related products	4,854	4,905	4,883	-1.0	+0.5	+0.8	4,817	4,837	4,860	4,557	+5.7
Lumber, furniture and miscellaneous durable goods	7,571	7,541	7,682	+0.4	-1.8	+1.7	7,703	7,702	7,707	7,736	-.4
Nondurable goods industries	48,235	48,102	47,694	+0.3	+0.9	+0.7	47,966	47,736	47,049	46,588	+3.0
Food and kindred products	9,135	9,151	9,066	-0.2	+0.9	+0.6	9,481	9,301	8,636	8,977	+5.6
Tobacco products	4,341	4,236	4,251	+2.5	-0.4	-2.7	4,288	4,116	4,129	4,234	+1.3
Textile mill products	2,421	2,437	2,441	-0.7	-0.2	+1.2	2,308	2,342	2,402	2,290	+.8
Paper and allied products	6,995	6,897	6,873	+1.4	+0.3	+0.3	6,960	6,811	6,888	6,737	+3.3
Chemicals and allied products	10,466	10,473	10,241	-0.1	+2.3	+0.6	10,357	10,411	10,196	10,154	+2.0
Petroleum and coal products	2,956	3,041	2,970	-2.8	+2.4	+6.5	2,916	3,029	2,923	2,527	+15.4
Rubber and plastics products	4,040	4,009	3,939	+0.8	+1.8	+2.2	4,013	3,980	3,935	3,929	+2.1
Apparel, printing and publishing and leather goods	7,881	7,858	7,913	+0.3	-0.7	+0.3	7,643	7,746	7,940	7,740	-1.3
WORK IN PROCESS											
All manufacturing industries	139,553	139,144	139,624	+0.3	-0.3	+0.7	139,759	139,782	139,940	138,464	+.9
Durable goods industries	118,094	117,414	117,924	+0.6	-0.4	+0.3	118,106	117,813	118,250	117,051	+.9
Stone, clay, and glass products	1,018	1,006	1,007	+1.2	-0.1	+0.5	965	972	987	1,026	-5.9
Primary metals	8,506	8,484	8,667	+0.3	-2.1	+1.3	8,432	8,425	8,634	8,444	-.1
Fabricated metal products	8,403	8,230	8,229	+2.1	0.0	-1.7	8,465	8,295	8,234	8,247	+2.6
Machinery, except electrical	20,442	20,405	20,377	+0.2	+0.1	+2.3	20,466	20,431	20,577	20,306	+.8
Electrical machinery	18,131	18,231	18,353	-0.5	-0.7	-0.3	18,101	18,339	18,541	19,499	-7.2
Transportation equipment	52,676	52,077	52,202	+1.2	-0.2	+0.2	52,852	52,470	52,245	50,374	+4.9
Instruments and related products	4,885	4,893	4,945	-0.2	-1.1	-2.0	4,901	4,908	4,966	5,642	-13.1
Lumber, furniture and miscellaneous durable goods	4,033	4,088	4,144	-1.3	-1.4	+0.9	3,924	3,973	4,066	3,660	+7.2
Nondurable goods industries	21,459	21,730	21,700	-1.2	+0.1	+2.6	21,653	21,969	21,690	21,266	+1.8
Food and kindred products	2,942	2,984	2,784	-1.4	+7.2	+4.2	3,047	3,108	2,782	2,834	+7.5
Tobacco products	278	281	262	-1.1	+7.3	-0.4	371	420	299	342	+8.5
Textile mill products	2,470	2,518	2,542	-1.9	-0.9	-0.8	2,432	2,501	2,522	2,474	-1.7
Paper and allied products	1,308	1,302	1,287	+0.5	+1.2	-1.4	1,295	1,291	1,283	1,330	-2.6
Chemicals and allied products	4,993	4,895	4,849	+2.0	+0.9	-0.1	4,991	4,891	4,852	4,814	+3.7
Petroleum and coal products	3,560	3,772	4,021	-5.6	-6.2	+19.0	3,629	3,806	3,921	2,988	+21.5
Rubber and plastics products	1,416	1,473	1,377	-3.9	+7.0	+0.8	1,425	1,458	1,396	1,459	-2.3
Apparel, printing and publishing and leather goods	4,492	4,505	4,578	-0.3	-1.6	-3.5	4,463	4,494	4,635	5,025	-11.2
FINISHED GOODS											
All manufacturing industries	123,227	123,204	123,099	0.0	+0.1	+1.1	122,239	122,274	121,686	118,590	+3.1
Durable goods industries	62,628	62,403	62,438	+0.4	-0.1	-0.4	61,810	61,331	60,905	61,491	+.5
Stone, clay, and glass products	4,444	4,399	4,309	+1.0	+2.1	+1.6	4,300	4,234	4,172	3,966	+8.4
Primary metals	6,434	6,375	6,292	+0.9	+1.3	+2.3	6,326	6,222	6,192	5,646	+12.0
Fabricated metal products	7,228	7,237	7,074	-0.1	+2.3	+1.3	7,008	7,055	6,872	6,600	+6.2
Machinery, except electrical	14,882	14,903	15,148	-0.1	-1.6	-2.7	14,796	14,727	14,585	15,268	-3.1
Electrical machinery	10,366	10,416	10,460	-0.5	-0.4	-0.1	10,142	10,238	10,200	10,089	+.5
Transportation equipment	8,144	7,976	8,035	+2.1	-0.7	-2.5	8,456	8,052	7,929	8,401	+.7
Instruments and related products	3,662	3,664	3,698	-0.1	-0.9	0.0	3,674	3,668	3,670	4,177	-12.0
Lumber, furniture and miscellaneous durable goods	7,468	7,433	7,422	+0.5	+0.1	+1.2	7,108	7,135	7,285	7,344	-3.2
Nondurable goods industries	60,599	60,801	60,661	-0.3	+0.2	+2.6	60,429	60,943	60,781	57,099	+5.8
Food and kindred products	15,547	15,611	15,795	-0.4	-1.2	+1.4	16,338	16,585	16,636	15,665	+4.3
Tobacco products	1,011	1,214	1,294	-16.7	-6.2	+6.1	988	1,300	1,260	1,026	-3.7
Textile mill products	3,387	3,426	3,427	-1.1	0.0	+2.0	3,260	3,344	3,358	3,054	+6.7
Paper and allied products	4,469	4,570	4,595	-2.2	-0.5	+0.2	4,389	4,389	4,402	4,326	+1.5
Chemicals and allied products	14,458	14,338	14,295	+0.8	+0.3	+1.5	14,395	14,095	13,861	14,076	+2.3
Petroleum and coal products	6,620	6,368	6,095	+4.0	+4.5	+17.0	6,598	6,464	6,175	5,059	+30.4
Rubber and plastics products	5,431	5,409	5,291	+0.4	+2.2	+1.0	5,270	5,203	5,148	4,933	+6.8
Apparel, printing and publishing and leather goods	9,676	9,865	9,869	-1.9	0.0	0.0	9,191	9,563	9,941	8,960	+2.6

[p]Preliminary. [r]Revised.

Table 6. RATIO OF MANUFACTURES' INVENTORIES TO SHIPMENTS AND UNFILLED ORDERS TO SHIPMENTS, BY INDUSTRY GROUP
(Based on seasonally adjusted data)

Industry	Inventory / Shipments ratio				Unfilled Orders / Shipments ratio[1]			
	Nov. 1990[p]	Oct. 1990[r]	Sep. 1990	Aug. 1990	Nov. 1990[p]	Oct. 1990[r]	Sep. 1990	Aug. 1990
All manufacturing industries	1.57	1.53	1.55	1.52	3.93	3.91	3.91	3.83
Durable goods industries	2.04	1.96	1.99	1.92	4.83	4.77	4.80	4.66
Stone, clay, and glass products	1.59	1.53	1.50	1.45	1.12	1.14	1.12	1.07
Primary metals	1.91	1.83	1.86	1.81	2.06	2.01	2.01	2.00
Fabricated metal products	1.73	1.66	1.66	1.65	2.00	1.94	1.99	1.94
Machinery, except electrical	2.10	2.10	2.15	2.12	2.84	2.85	2.92	2.85
Electrical machinery	1.92	1.93	1.93	1.95	4.26	4.39	4.42	4.52
Transportation equipment	2.54	2.23	2.30	2.08	13.89	13.18	13.22	11.97
Instruments and related products	1.95	1.96	2.08	2.03	2.05	2.05	2.15	2.10
Nondurable goods industries	1.09	1.08	1.09	1.09	0.67	0.68	0.68	0.68
Food and kindred products	0.80	0.81	0.81	0.80	(X)	(X)	(X)	(X)
Tobacco products	2.19	2.26	2.73	2.45	(X)	(X)	(X)	(X)
Textile mill products	1.67	1.70	1.74	1.68	(NA)	(NA)	(NA)	(NA)
Paper and allied products	1.16	1.16	1.15	1.15	(NA)	(NA)	(NA)	(NA)
Chemicals and allied products	1.29	1.28	1.28	1.27	(X)	(X)	(X)	(X)
Petroleum and coal products	0.76	0.73	0.75	0.76	(X)	(X)	(X)	(X)
Rubber and plastics products	1.49	1.43	1.40	1.38	(X)	(X)	(X)	(X)

[p]Preliminary. [r] Revised. (X) Not applicable. (NA) Not available.

[1]Excludes the following industries with no unfilled orders: Wood and lumber products; glass containers; metal cans, barrels and drums; farm machinery and equipment; motor vehicle assembly operations; other transportation equipment; foods and related products; tobacco; apparel and related products; building paper; die-cut paper and board; chemicals; petroleum and coal products; and rubber and plastics products.

Table 7. AVERAGE REVISIONS TO PREVIOUSLY PUBLISHED MONTHLY PERCENT CHANGES
(Based on seasonally adjusted data)

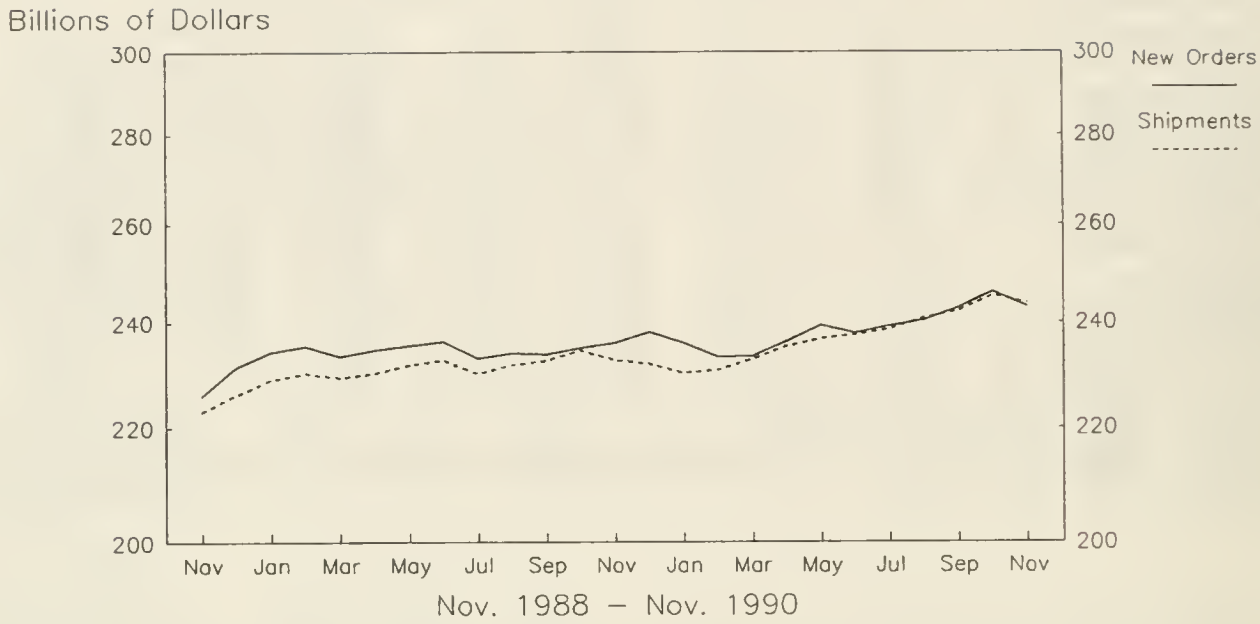
Industry	Shipments			New orders			Unfilled orders			Inventories		
	Nov. 1989	Nov.[1] 1985-1989	Nov. 1989-Oct. 1990	Nov. 1989	Nov.[1] 1985-1989	Nov. 1989-Oct. 1990	Nov. 1989	Nov.[1] 1985-1989	Nov. 1989-Oct. 1990	Nov. 1989	Nov.[1] 1985-1989	Nov. 1989-Oct. 1990
All manufacturing industries	0.1	0.2	0.1	0.0	0.3	0.2	0.1	0.1	0.1	0.0	0.1	0.1
Durable goods industries	0.2	0.3	0.1	0.1	0.5	0.4	0.0	0.1	0.1	0.1	0.1	0.1
Stone, clay, and glass products	0.2	0.8	0.4	0.0	0.8	0.4	0.8	1.4	0.4	0.1	0.1	0.2
Primary metals	1.1	0.9	0.3	0.8	1.1	0.5	0.2	0.3	0.3	0.1	0.3	0.1
Fabricated metal products	0.2	0.7	0.5	0.0	1.0	0.6	0.0	0.3	0.2	0.0	0.1	0.1
Machinery, except electrical	0.2	1.1	0.4	0.5	1.2	0.6	0.1	0.2	0.2	0.2	0.2	0.1
Electrical machinery	0.1	0.3	0.2	0.2	0.4	0.4	0.0	0.1	0.1	0.1	0.1	0.1
Transportation equipment	0.1	0.3	0.3	0.2	0.8	0.9	0.0	0.1	0.1	0.1	0.3	0.0
Instruments and related products	0.0	0.8	0.4	0.1	1.4	0.8	0.1	0.3	0.3	0.0	0.3	0.3
Nondurable goods industries	0.0	0.2	0.2	0.0	0.2	0.2	0.1	0.1	0.5	0.0	0.1	0.0
Food and kindred products	0.0	0.3	0.2	(X)	(X)	(X)	(X)	(X)	(X)	0.0	0.2	0.2
Tobacco products	0.0	0.3	0.1	(X)	(X)	(X)	(X)	(X)	(X)	0.0	0.0	0.0
Textile mill products	0.1	1.0	0.7	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	0.0	0.4	0.3
Paper and allied products	0.1	0.5	0.2	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	0.1	0.2	0.1
Chemicals and allied products	0.3	0.7	0.3	(X)	(X)	(X)	(X)	(X)	(X)	0.0	0.2	0.1
Petroleum and coal products	0.1	0.9	0.2	(X)	(X)	(X)	(X)	(X)	(X)	0.0	0.7	0.1
Rubber and plastics products	0.5	0.9	0.7	(X)	(X)	(X)	(X)	(X)	(X)	0.0	0.4	0.3
Capital goods industries:												
Nondefense	0.0	0.8	0.3	0.2	1.1	0.6	0.0	0.1	0.1	0.1	0.2	0.1
Defense	0.0	0.1	0.3	0.3	1.5	1.3	0.1	0.1	0.1	0.0	0.2	0.0

(X) Not applicable. (NA) Not available.

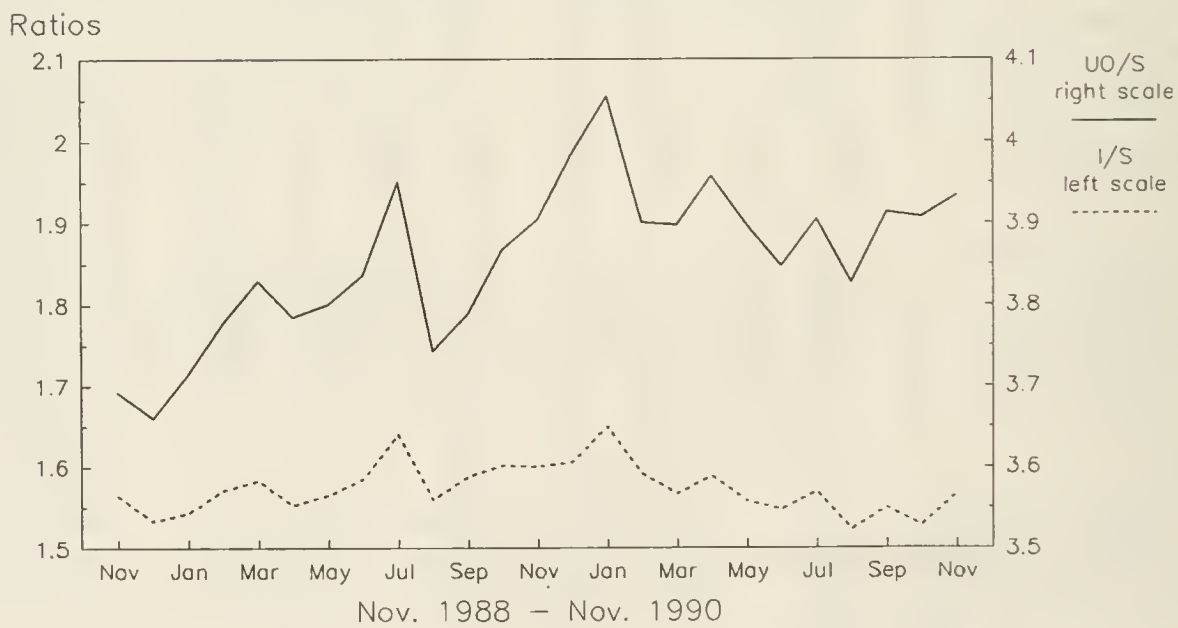
Note: The revisions are the differences between the month-to-month percent changes of the preliminary and final estimates. The monthly averages are the simple averages of the differences, without regard to sign, for the months specified. The advance to final percent change revisions for the durable goods industries are shown in the advance report for the month.

[1]Average for this month for the last five years.

Total Manufacturing
New Orders and Shipments
Three Month Moving Averages

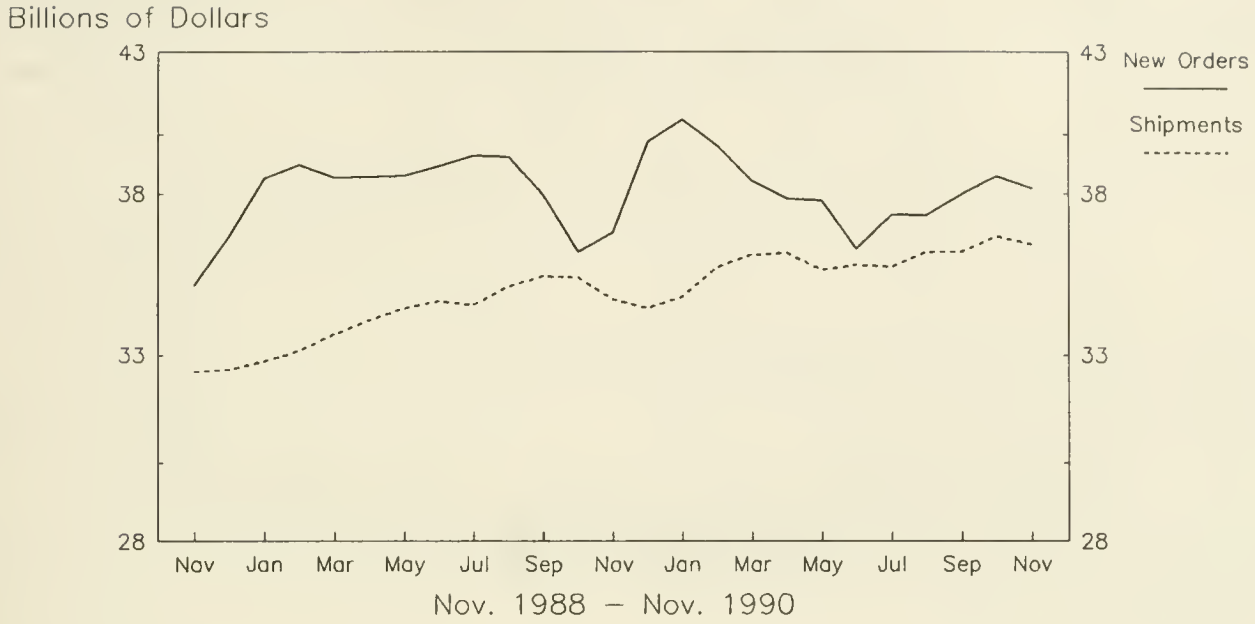


Total Manufacturing
Ratios of Unfilled Orders and
Inventories to Shipments

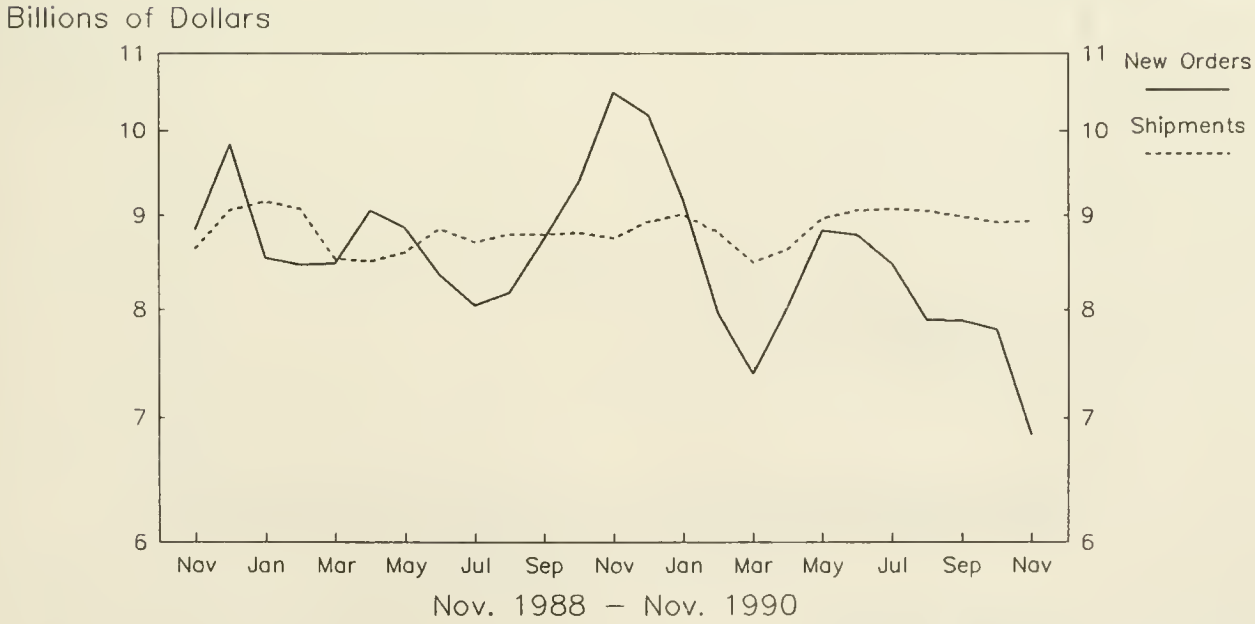


Note: All Charts based on seasonally adjusted current dollars.

Nondefense Capital Goods
New Orders and Shipments
Three Month Moving Averages

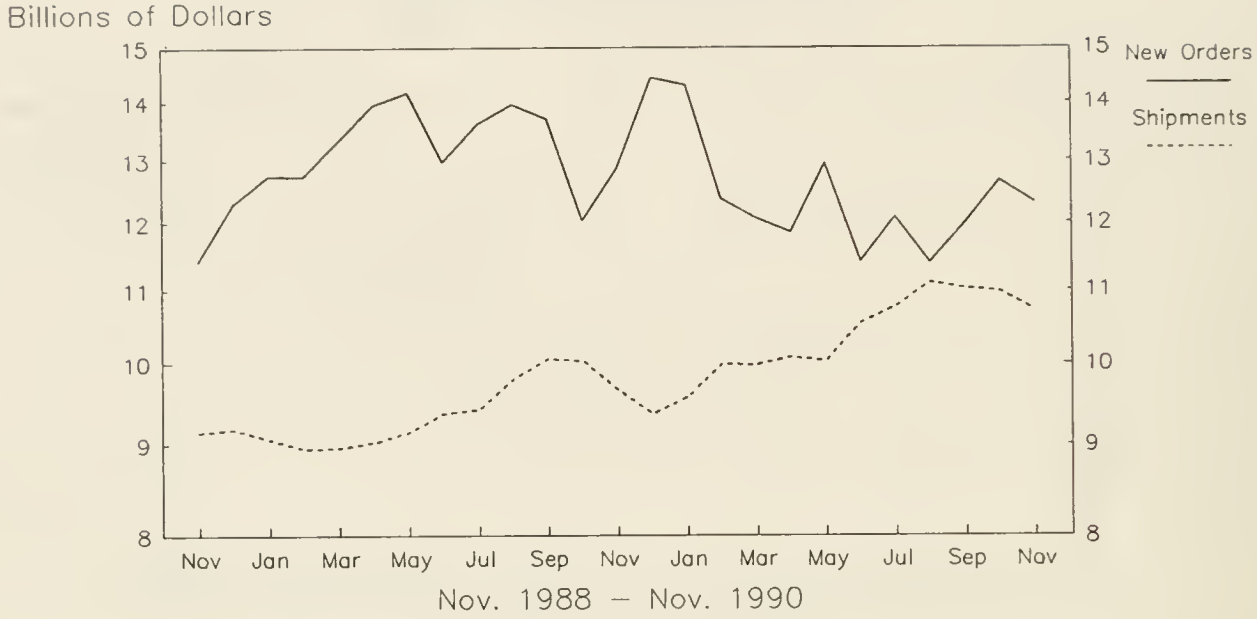


Defense Capital Goods
New Orders and Shipments
Three Month Moving Averages

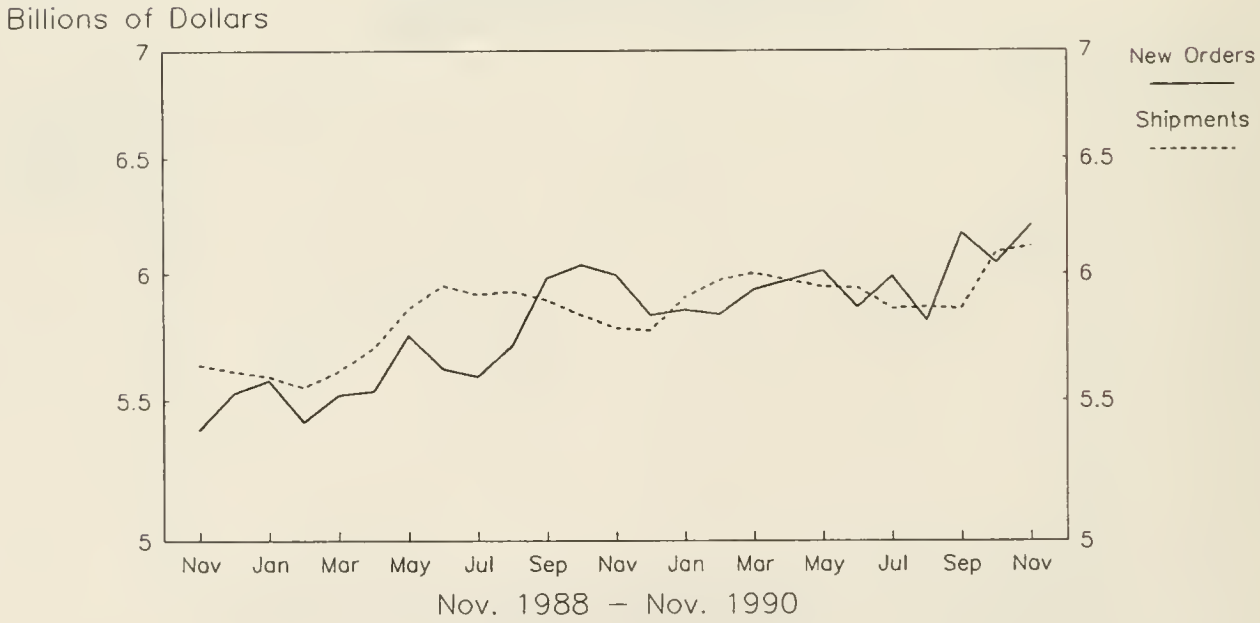


Note: All Charts based on seasonally adjusted current dollars.

Aircraft, Missiles and Parts
New Orders and Shipments
Three Month Moving Averages

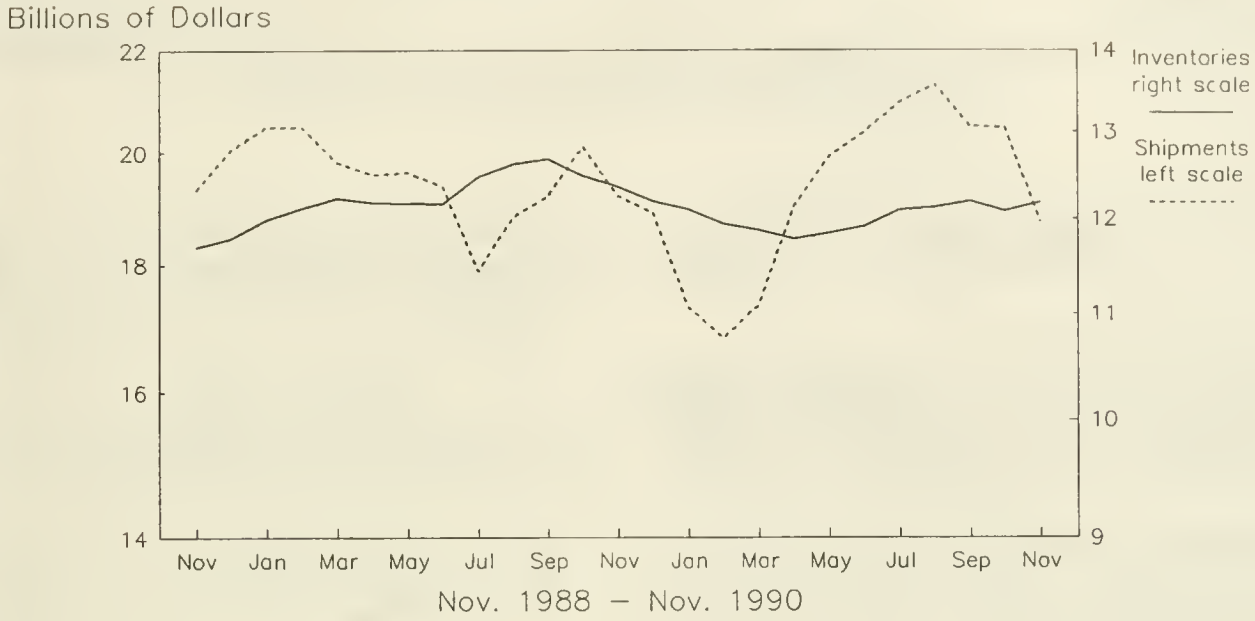


Office and Computing Equipment
New Orders and Shipments
Three Month Moving Average

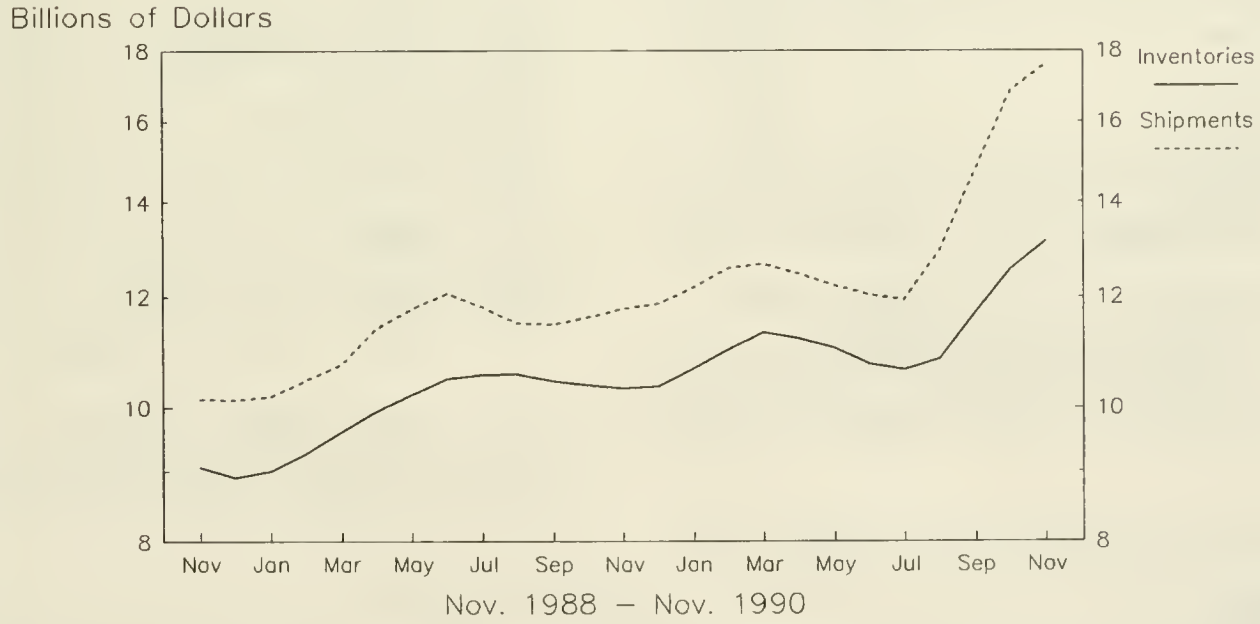


Note: All Charts based on seasonally adjusted current dollars.

Motor Vehicles and Parts
Shipments and Inventories
Three Month Moving Averages



Petroleum and Coal Products
Shipments and Inventories
Three Month Moving Averages



Note: All Charts based on seasonally adjusted current dollars.

U.S. Department of Commerce
BUREAU OF THE CENSUS
Washington, D.C. 20233

Official Business
Penalty for Private Use, $300

POSTAGE AND FEES PAID
U.S. DEPARTMENT OF COMMERCE
COM-202

First Class Mail

PUBLICATION DATES FOR THE 1991 MONTHLY M3 SURVEY MANUFACTURERS' SHIPMENTS, INVENTORIES, AND ORDERS

Report Covering	Advance Report Release Dates (8:30 a.m. release time)	Regular Report Release Dates (10:00 a.m. release time)
December 1990	Tues., Jan. 29	Tues., Feb 5
January 1991	Tues., Feb. 26	Tues., Mar. 5
February	Tues., Mar. 26	Tues., Apr. 2
March	Tues., Apr. 23	Tues., Apr. 30
April	Thurs., May 23	Fri., May 31
May	Tues., June 25	Tues., July 2
June	Wed., July 24	Wed., July 31
July	Fri., Aug. 23	Fri., Aug. 30
August	Wed., Sept. 25	Thurs., Oct. 3
September	Thurs., Oct. 24	Thurs., Oct. 31
October	Wed., Nov. 27	Thurs., Dec. 5
November	Tues., Dec. 24	Fri., Jan. 3, 1992
December	Tues., Jan. 28, 1992	Tues., Feb. 4, 1992

3.158:M 3-1-(91)-1
rent Industrial Reports,...

Manufacturers' Shipments, Inventories, and Orders

S. Department of Commerce
UREAU OF THE CENSUS

January 1991
M3-1-(91)-1
For Wire Transmissions 10:00 a.m. E.S.T. Tuesday, March 5, 1991

(All figures in text are in seasonally adjusted current dollars)

ummary

New orders for manufactured goods in January ecreased $4.0 billion or 1.7 percent from December to 230.6 billion, the Department of Commerce, Bureau of the Census reported today. This is the third consecutive decline ince reaching a high in October 1990 of $250.1 billion. Both the durables and nondurables sectors contributed to he January decrease.

Shipments in January were unchanged from December t $231.4 billion, following declines the preceding two nonths. A decrease in nondurables offset an increase in lurables.

Unfilled orders were down $0.8 billion or 0.2 percent o $519.5 billion, the second decline in the last three months ince reaching the high in October 1990 of $522.4 billion.

Manufacturers' inventories in January were unchanged t $374.9 billion, following a decrease in December of 0.8 percent, the largest decline since the 0.8 percent decrease in anuary 1986. The inventory to shipments ratio in January vas 1.62, the same as December.

New Orders

The decrease in new orders for durables of $2.1 billion or 1.8 percent resulted mostly from declines in electrical nachinery and transportation equipment. Electrical nachinery was down $2.6 billion or 12.1 percent, following 14.5 percent increase in December; communication equipment accounted for both the January decrease and December increase. Transportation equipment was down $1.3 billion or 3.9 percent to $30.6 billion; a large decline in aircraft and parts more than offset an increase in motor vehicles and parts. The 28.5 percent decrease in aircraft and parts only partially offset the large increase in December of 56.8 percent. Primary metals were down $0.6 billion or 5.7 percent, virtually all attributable to a decline in nonferrous metals.

The only significant increase in orders was in nonelectrical machinery, up $2.2 billion or 10.8 percent; office and computing equipment and construction, mining and material handling equipment accounted for most of the gain.

Nondurable orders were down $1.9 billion or 1.7 percent with large declines in foods and petroleum products.

Shipments

The shipments increase in durables of $1.5 billion or 1.3 percent resulted almost entirely from an increase in transportation equipment; motor vehicles and parts were up $3.1 billion or 22.9 percent, following back-to-back sharp declines in November and December. Most of the other major industries had small declines.

Shipments of nondurables were down $1.5 billion or 1.3 percent. Food products dropped $1.5 billion or 4.4 percent; all categories were down with beverages showing the largest percentage decline. Petroleum fell $0.9 billion or 6.1 percent following an 11.6 percent decline in December.

Unfilled Orders

Unfilled orders were down in both durables and nondurables. Within durables, large declines in primary metals of 6.8 percent and electrical machinery of 1.8 percent were partially offset by increases in nonelectrical machinery of 1.3 percent and transportation equipment of 0.7 percent. Paper and leather goods accounted for the decline in nondurables.

Inventories

Within the durable industries, inventories were unchanged with relatively small offsetting increases and decreases. Nondurable inventories were also unchanged; however, specific increases in foods, tobacco, and chemicals offset a large decline in petroleum products.

By stage of fabrication, materials and supplies for durables and nondurables were up 0.4 percent and 0.5 percent respectively. Finished goods in durables were down 0.3 percent and up in nondurables 0.3 percent. Work in process was about unchanged in durables, but fell 2.1 percent in nondurables.

(SEE BACK PAGE FOR UPCOMING REVISIONS)

The advance report on durable goods for February is scheduled for March 26, 1991 at 8:30 a.m. and the full report on April 2, 1991 at 10:00 a.m. Address inquiries concerning these figures to U.S. Department of Commerce, Bureau of the Census, Industry Division, Washington, DC 20233 or call Ruth Runyan or Kathleen Menth, (301) 763-2502 or (301) 763-2512.
For sale by the Superintendent of Documents, U.S. Government Printing Office, Washington, DC 20402. This report is also available the day of issue through the Department of Commerce's online Economic Bulletin Board (N-8-1) (202-377-3870) and through the Census Bureau's online information service-CENDATA. CENDATA is available from Dialog Information Services, INC. (1-800-334-2464) and CompuServe (1-800-848-8199). The CENDATA staff at the Bureau of the Census (301-763-2074) can provide content information and general guidance.

Table 1. VALUE OF MANUFACTURERS' SHIPMENTS FOR INDUSTRY GROUPS, MARKET CATEGORIES AND SUPPLEMENTARY SERIES
(Millions of dollars)

Industry	Seasonally adjusted						Not seasonally adjusted[1]						
	Monthly			Percent Change			Monthly				Percent change	Year to date	
	Jan. 1991[p]	Dec. 1990[r]	Nov. 1990	Dec.-Jan.[p]	Nov.-Dec.[r]	Oct.-Nov.	Jan. 1991[p]	Dec. 1990[r]	Nov. 1990	Jan. 1990	Jan.91/90[p]	1991[p]	1990
All manufacturing industries	231,434	231,460	240,916	0.0	-3.9	-2.5	211,079	229,693	238,816	207,266	+1.8	211,079	207,266
Manufacturing industries with unfilled orders	128,505	128,102	130,927	+0.3	-2.2	-2.0	115,065	131,168	130,724	114,135	+0.8	115,065	114,135
Durable goods industries	118,295	116,794	121,402	+1.3	-3.8	-3.8	105,128	118,445	119,712	104,013	+1.1	105,128	104,013
With unfilled orders	101,349	100,516	102,707	+0.8	-2.1	-2.6	89,579	104,228	102,113	88,340	+1.4	89,579	88,340
Stone, clay, and glass products	4,826	4,928	5,089	-2.1	-3.2	-3.0	4,238	4,281	5,094	4,772	-11.2	4,238	4,772
Primary metals	10,801	10,925	11,154	-1.1	-2.1	-4.8	10,260	10,039	10,916	10,771	-4.7	10,260	10,771
Blast furnaces, steel mills	4,433	4,338	4,626	+2.2	-6.2	-4.1	4,291	3,959	4,500	4,429	-3.1	4,291	4,429
Iron and steel foundries	761	668	777	+13.9	-14.0	-6.0	693	554	769	706	-1.8	693	706
Nonferrous and other primary metals	5,607	5,919	5,751	-5.3	+2.9	-5.1	5,276	5,526	5,647	5,636	-6.4	5,276	5,636
Fabricated metal products	13,600	13,924	13,628	-2.3	+2.2	-4.5	12,105	12,757	13,250	12,129	-0.2	12,105	12,129
Machinery, except electrical	21,856	21,929	22,609	-0.3	-3.0	-0.1	18,661	24,170	21,396	19,119	-2.4	18,661	19,119
Engines and turbines	1,244	1,449	1,364	-14.1	+6.2	+5.7	1,102	1,833	1,329	1,192	-7.6	1,102	1,192
Construction, mining and material handling equipment	3,173	2,953	3,411	+7.5	-13.4	+12.4	2,818	2,817	3,382	2,684	+5.0	2,818	2,684
Metalworking machinery	1,014	1,072	1,049	-5.4	+2.2	-4.2	820	1,241	1,095	862	-4.9	820	862
Office and computing machines	6,014	6,000	5,908	+0.2	+1.6	-6.6	4,390	8,367	5,579	4,405	-0.3	4,390	4,405
Electrical machinery	20,235	20,448	20,662	-1.0	-1.0	+0.5	17,841	21,609	21,093	17,594	+1.4	17,841	17,594
Electrical transmission and distribution equipment and industrial apparatus	2,368	2,343	2,457	+1.1	-4.6	-0.2	2,131	2,289	2,395	2,212	-3.7	2,131	2,212
Household appliances	1,577	1,648	1,610	-4.3	+2.4	+4.7	1,415	1,497	1,485	1,459	-3.0	1,415	1,459
Radio and TV	1,234	1,148	1,138	+7.5	+0.9	+1.8	1,050	1,096	1,359	844	+24.4	1,050	844
Communication equipment	6,980	7,001	6,989	-0.3	+0.2	-0.2	5,793	8,511	7,090	5,561	+4.2	5,793	5,561
Electronic components	4,898	4,996	5,101	-2.0	-2.1	+1.1	4,570	4,799	5,085	4,589	-0.4	4,570	4,589
Other electrical machinery	3,178	3,312	3,367	-4.0	-1.6	-0.9	2,882	3,417	3,679	2,929	-1.6	2,882	2,929
Transportation equipment	28,573	26,493	29,629	+7.9	-10.6	-10.4	25,470	28,361	29,632	22,706	+12.2	25,470	22,706
Motor vehicles and parts	16,472	13,399	17,037	+22.9	-21.4	-16.3	15,708	11,698	17,172	13,234	+18.7	15,708	13,234
Aircraft, missiles, and parts	10,062	10,983	10,604	-8.4	+3.6	-0.1	7,912	14,370	10,576	7,749	+2.1	7,912	7,749
Shipbuilding and military tank vehicles	1,157	1,044	940	+10.8	+11.1	-7.7	1,000	1,341	917	746	+34.0	1,000	746
Instruments and related products	6,722	6,513	6,846	+3.2	-4.9	-0.4	6,109	6,697	6,812	6,004	+1.7	6,109	6,004
Scientific and engineering instruments	4,503	4,381	4,534	+2.8	-3.4	+1.0	4,246	4,496	4,395	4,141	+2.5	4,246	4,141
All other durable goods	11,682	11,634	11,785	+0.4	-1.3	-0.3	10,444	10,531	11,519	10,918	-4.3	10,444	10,918
Nondurable goods industries	113,139	114,666	119,514	-1.3	-4.1	-1.1	105,951	111,248	119,104	103,253	+2.6	105,951	103,253
With unfilled orders	27,156	27,586	28,220	-1.6	-2.2	+0.2	25,486	26,940	28,611	25,795	-1.2	25,486	25,795
Food and kindred products	32,918	34,439	34,557	-4.4	-0.3	+0.3	30,664	33,824	34,339	30,408	+0.8	30,664	30,408
Dairy products	4,565	4,621	4,707	-1.2	-1.8	-1.3	4,296	4,445	4,692	4,442	-3.3	4,296	4,442
Beverages	4,069	4,644	4,422	-12.4	+5.0	+3.6	3,601	4,103	4,176	3,669	-1.9	3,601	3,669
All other foods	15,584	16,136	16,352	-3.4	-1.3	-0.4	14,587	16,253	16,604	14,369	+1.5	14,587	14,369
Tobacco products	2,218	1,744	2,607	+27.2	-33.1	+2.9	1,437	2,180	2,953	1,366	+5.2	1,437	1,366
Textile mill products	4,651	4,745	4,933	-2.0	-3.8	-0.1	4,053	4,385	5,013	4,563	-11.2	4,053	4,563
Broadwoven fabrics	2,669	2,689	2,836	-0.7	-5.2	-1.0	2,373	2,574	2,830	2,736	-13.3	2,373	2,736
Paper and allied products	10,521	10,692	10,992	-1.6	-2.7	0.0	10,291	10,284	10,683	10,543	-2.4	10,291	10,543
Pulp, paper etc.	4,507	4,608	4,727	-2.2	-2.5	-0.5	4,444	4,543	4,588	4,540	-2.1	4,444	4,540
Paperboard containers	2,603	2,624	2,693	-0.8	-2.6	-0.4	2,509	2,417	2,603	2,640	-5.0	2,509	2,640
All other paper products	3,411	3,460	3,572	-1.4	-3.1	+1.2	3,338	3,324	3,492	3,363	-0.7	3,338	3,363
Chemicals and allied products	22,495	22,060	23,108	+2.0	-4.5	-0.3	21,841	21,253	22,082	20,553	+6.3	21,841	20,553
Industrial chemicals, except pigments	6,048	5,719	6,225	+5.8	-8.1	-0.9	5,800	5,545	5,962	5,393	+7.5	5,800	5,393
Drugs, soaps, and toiletries	7,352	7,391	7,686	-0.5	-3.8	+0.9	7,389	7,342	7,468	7,015	+5.3	7,389	7,015
Other chemical products	6,273	5,916	6,095	+6.0	-2.9	-0.9	5,997	5,738	5,963	5,382	+11.4	5,997	5,382
Petroleum and coal products	14,165	15,080	17,059	-6.1	-11.6	-5.8	13,739	15,194	17,193	12,468	+10.2	13,739	12,468
Rubber and plastics products	7,423	7,092	7,287	+4.7	-2.7	-4.5	6,881	6,478	6,978	6,909	-0.4	6,881	6,909
All other nondurable goods	18,748	18,814	18,971	-0.4	-0.8	0.0	17,045	17,650	19,863	16,443	+3.7	17,045	16,443
Market categories:													
Home goods and apparel	14,567	14,809	14,579	-1.6	+1.6	-0.5	12,573	12,743	15,079	12,503	+0.6	12,573	12,503
Consumer staples	47,679	48,667	49,858	-2.0	-2.4	+0.5	44,028	48,526	50,153	43,211	+1.9	44,028	43,211
Equipment and defense prod. except automotive	40,701	40,462	41,095	+0.6	-1.5	-0.2	34,411	46,778	39,636	33,852	+1.7	34,411	33,852
Automotive equipment	18,601	15,437	19,182	+20.5	-19.5	-15.1	17,641	13,429	19,193	15,265	+15.6	17,641	15,265
Construction materials, supplies and intermediate products	15,934	16,021	16,214	-0.5	-1.2	-3.8	13,918	14,148	15,698	15,393	-9.6	13,918	15,393
Other materials, supplies, and intermediate products	93,952	96,064	99,988	-2.2	-3.9	-2.1	88,508	94,069	99,057	87,042	+1.7	88,508	87,042
Supplementary series:[2]													
Capital goods industries	44,061	45,138	45,155	-2.4	0.0	-0.4	36,962	52,882	44,487	36,809	+0.4	36,962	36,809
Nondefense	35,876	36,258	35,924	-1.1	+0.9	-1.8	30,321	41,357	34,913	29,863	+1.5	30,321	29,863
Excluding aircraft and parts	30,137	30,219	30,341	-0.3	-0.4	-1.9	25,800	33,441	29,573	25,900	-0.4	25,800	25,900
Defense	8,185	8,880	9,231	-7.8	-3.8	+5.2	6,641	11,525	9,574	6,946	-4.4	6,641	6,946
Household durable goods industries	6,982	7,193	7,016	-2.9	+2.5	-0.2	5,968	6,576	7,228	5,882	+1.5	5,968	5,882

See footnotes at end of table 2.

Table 2. VALUE OF MANUFACTURERS' NEW ORDERS FOR INDUSTRY GROUPS, MARKET CATEGORIES AND SUPPLEMENTARY SERIES
(Millions of dollars)

Industry	Seasonally adjusted						Not seasonally adjusted[1]						
	Monthly			Percent Change			Monthly				Percent change	Year to date	
	Jan. 1991[P]	Dec. 1990[r]	Nov. 1990	Dec.-Jan.[P]	Nov.-Dec.[r]	Oct.-Nov.	Jan. 1991[P]	Dec. 1990[r]	Nov. 1990	Jan. 1990	Jan.91/90[P]	1991[P]	1990
All manufacturing industries	230,601	234,601	235,724	-1.7	-0.5	-5.8	215,203	233,382	234,143	213,817	+0.6	215,203	213,817
anufacturing industries with nfilled orders	127,672	131,243	125,735	-2.7	+4.4	-8.1	119,189	134,857	126,051	120,686	-1.2	119,189	120,686
urable goods industries	117,772	119,877	116,322	-1.8	+3.1	-10.1	109,167	122,300	115,599	110,334	-1.1	109,167	110,334
With unfilled orders	100,826	103,599	97,627	-2.7	+6.1	-10.2	93,618	108,083	98,000	94,661	-1.1	93,618	94,661
one, clay, and glass products	4,685	4,944	4,858	-5.2	+1.8	-8.4	4,171	4,229	4,889	4,734	-11.9	4,171	4,734
rimary metals	9,303	9,861	10,762	-5.7	-8.4	-10.1	9,730	9,935	10,413	11,780	-17.4	9,730	11,780
Blast furnaces, steel mills	3,494	3,513	4,089	-0.5	-14.1	-16.5	4,004	3,788	3,953	5,182	-22.7	4,004	5,182
Iron and steel foundries	648	641	779	+1.1	-17.7	-7.9	692	479	749	781	-11.4	692	781
Nonferrous and other primary metals	5,161	5,707	5,894	-9.6	-3.2	-5.5	5,034	5,668	5,711	5,817	-13.5	5,034	5,817
abricated metal products	13,915	13,899	13,183	+0.1	+5.4	-3.4	12,597	12,930	12,723	12,423	+1.4	12,597	12,423
achinery, except electrical	22,590	20,391	22,151	+10.8	-7.9	-0.5	20,183	22,221	21,312	20,166	+0.1	20,183	20,166
Engines and turbines	1,545	1,194	1,337	+29.4	-10.7	-0.8	1,360	1,492	1,422	1,417	-4.0	1,360	1,417
Construction, mining and material handling equipment	3,665	2,650	3,316	+38.3	-20.1	+4.1	3,393	2,728	3,319	3,025	+12.2	3,393	3,025
Metalworking machinery	980	1,166	1,036	-16.0	+12.5	-4.6	839	1,177	1,043	852	-1.5	839	852
Office and computing machines	6,311	5,190	5,810	+21.6	-10.7	-2.6	4,757	7,098	5,616	4,343	+9.5	4,757	4,343
lectrical machinery	18,602	21,152	18,470	-12.1	+14.5	-7.2	17,280	22,292	19,330	18,295	-5.5	17,280	18,295
Electrical transmission and distribution equipment and industrial apparatus	2,519	2,484	2,166	+1.4	+14.7	-19.4	2,387	2,430	2,061	2,553	-6.5	2,387	2,553
Communication equipment	5,265	7,840	5,072	-32.8	+54.6	-17.9	4,897	9,397	5,868	5,539	-11.6	4,897	5,539
Electronic components	4,689	4,867	5,133	-3.7	-5.2	+1.1	4,347	4,698	5,001	4,726	-8.0	4,347	4,726
Other electrical machinery	3,398	3,137	3,337	+8.3	-6.0	-0.5	3,114	3,187	3,535	2,883	+8.0	3,114	2,883
ransportation equipment	30,598	31,853	28,145	-3.9	+13.2	-25.3	28,125	34,120	29,104	25,489	+10.3	28,125	25,489
Aircraft, missiles, and parts.	11,280	15,773	10,057	-28.5	+56.8	-33.5	9,654	19,632	11,010	10,632	-9.2	9,654	10,632
Shipbuilding and military tank vehicles	1,756	1,745	462	+0.6	277.7	-49.6	1,581	1,793	359	534	196.1	1,581	534
nstruments and related products	6,651	6,295	6,783	+5.7	-7.2	-2.2	6,281	6,566	6,662	6,240	+0.7	6,281	6,240
Scientific and engineering instruments	4,419	4,240	4,437	+4.2	-4.4	-2.1	4,351	4,444	4,252	4,363	-0.3	4,351	4,363
ll other durable goods	11,428	11,482	11,970	-0.5	-4.1	+1.7	10,800	10,007	11,166	11,207	-3.6	10,800	11,207
Nondurable goods industries	112,829	114,724	119,402	-1.7	-3.9	-1.0	106,036	111,082	118,544	103,483	+2.5	106,036	103,483
With unfilled orders	26,846	27,644	28,108	-2.9	-1.7	+0.3	25,571	26,774	28,051	26,025	-1.7	25,571	26,025
Market categories:													
Home goods and apparel	14,051	14,773	14,905	-4.9	-0.9	+3.2	13,258	12,223	14,747	13,324	-0.5	13,258	13,324
Consumer staples	47,710	48,622	49,864	-1.9	-2.5	+0.5	44,080	48,482	50,200	43,193	+2.1	44,080	43,193
Equipment and defense prod. except automotive	41,208	46,027	37,936	-10.5	+21.3	-17.0	36,595	53,182	38,511	37,827	-3.3	36,595	37,827
Automotive equipment	18,587	15,362	18,901	+21.0	-18.7	-15.9	17,751	13,530	18,967	15,376	+15.4	17,751	15,376
Construction materials, supplies and intermediate products	15,844	15,891	15,809	-0.3	+0.5	-5.5	13,924	14,178	15,280	15,523	-10.3	13,924	15,523
Other materials, supplies, and intermediate products	93,201	93,926	98,309	-0.8	-4.5	-2.8	89,595	91,787	96,438	88,574	+1.2	89,595	88,574
Supplementary series:													
Capital goods industries	45,410	50,096	41,029	-9.4	+22.1	-16.0	40,489	57,660	42,222	40,668	-0.4	40,489	40,668
Nondefense	38,197	42,111	35,763	-9.3	+17.8	-14.1	33,731	46,699	34,732	34,107	-1.1	33,731	34,107
Excluding aircraft and parts	30,662	29,744	29,291	+3.1	+1.5	-6.2	27,414	32,455	28,503	27,070	+1.3	27,414	27,070
Defense	7,213	7,985	5,266	-9.7	+51.6	-26.9	6,758	10,961	7,490	6,561	+3.0	6,758	6,561
Household durable goods industries	6,679	7,071	7,228	-5.5	-2.2	+4.8	6,618	6,147	6,979	6,616	0.0	6,618	6,616

[P] Preliminary. [r] Revised.

[1] Shipments and new orders are the totals for the period and are adjusted for trading-day and calendar-month variations; unfilled orders and inventories are as of the end of the period and are not adjusted for trading-day or calendar-month variations.

[2] The supplementary series are regroupings of the separate industry categories:

Nondefense capital goods include machinery, except electrical (excluding farm machinery and equipment and machine shops); electrical machinery (excluding household appliances, radio and TV, and electronic components); railroad equipment; and the nondefense portions of ordnance; communication equipment; aircraft, missiles and parts; tanks, and shipbuilding, converting and repairing.

Defense capital goods include ordnance; communication equipment; aircraft, missiles and parts; tanks, and shipbuilding, converting and repairing.

Household durable goods industries include household furniture; kitchen articles and pottery; cutlery, handtools, and hardware; household appliances; radio and TV; ophthalmic goods; watches and clocks; and miscellaneous personal goods.

Table 3. VALUE OF MANUFACTURERS' UNFILLED ORDERS FOR INDUSTRY GROUPS, MARKET CATEGORIES AND SUPPLEMENTARY SERIES
(Millions of dollars)

Industry	Seasonally adjusted						Not seasonally adjusted[1]				
	Monthly			Percent Change			Monthly				Percent change
	Jan. 1991[p]	Dec. 1990[r]	Nov. 1990	Dec.-Jan.[p]	Nov.-Dec.[r]	Oct.-Nov.	Jan. 1991[p]	Dec. 1990[r]	Nov. 1990	Jan. 1990	Jan.91/90[p]
All manufacturing industries	519,512	520,345	517,205	-0.2	+0.6	-1.0	520,392	516,268	512,579	516,493	+.8
Durable goods industries	500,709	501,232	498,150	-0.1	+0.6	-1.0	502,022	497,983	494,128	496,945	+1.0
Stone, clay, and glass products	5,087	5,228	5,212	-2.7	+0.3	-4.2	5,008	5,075	5,127	5,109	-2.0
Primary metals	20,538	22,036	23,100	-6.8	-4.6	-1.7	20,765	21,295	21,399	23,078	-10.0
Blast furnaces, steel mills	7,280	8,219	9,044	-11.4	-9.1	-5.6	7,622	7,909	8,080	9,307	-18.1
Iron and steel foundries	2,629	2,742	2,769	-4.1	-1.0	+0.1	2,642	2,643	2,718	2,346	+12.6
Nonferrous and other primary metals	10,629	11,075	11,287	-4.0	-1.9	+1.3	10,501	10,743	10,601	11,425	-8.1
Fabricated metal products	24,843	24,528	24,553	+1.3	-0.1	-1.8	24,873	24,381	24,208	25,706	-3.2
Machinery, except electrical	59,040	58,306	59,845	+1.3	-2.6	-0.8	59,288	57,766	59,715	61,900	-4.2
Engines and turbines	7,976	7,675	7,931	+3.9	-3.2	-0.3	8,153	7,895	8,236	6,924	+17.7
Construction, mining and material handling equipment	9,189	8,697	9,000	+5.7	-3.4	-1.0	9,318	8,743	8,832	9,473	-1.6
Metalworking machinery	4,115	4,149	4,055	-0.8	+2.3	-0.3	4,045	4,026	4,090	4,522	-10.5
Office and computing machines	12,178	11,881	12,691	+2.5	-6.4	-0.8	11,947	11,580	12,849	12,245	-2.4
Electrical machinery	87,088	88,721	88,017	-1.8	+0.8	-2.4	87,764	88,325	87,642	94,192	-6.8
Electrical transmission and distribution equipment and industrial apparatus	7,100	6,949	6,808	+2.2	+2.1	-4.1	7,143	6,887	6,746	7,152	-.1
Communication equipment	60,343	62,058	61,219	-2.8	+1.4	-3.0	61,341	62,237	61,351	66,992	-8.4
Electronic components	13,506	13,715	13,844	-1.5	-0.9	+0.2	13,155	13,378	13,479	14,006	-6.1
Other electrical machinery	5,339	5,119	5,294	+4.3	-3.3	-0.6	5,286	5,054	5,284	4,916	+7.5
Transportation equipment	283,326	281,301	275,941	+0.7	+1.9	-0.5	283,956	281,301	275,542	265,549	+6.9
Aircraft, missiles, and parts.	246,516	245,298	240,508	+0.5	+2.0	-0.2	247,232	245,490	240,228	227,930	+8.5
Shipbuilding and military tank vehicles	27,644	27,045	26,344	+2.2	+2.7	-1.8	27,426	26,845	26,393	27,161	+1.0
Instruments and related products	13,741	13,812	14,030	-0.5	-1.6	-0.4	13,931	13,759	13,890	14,756	-5.6
Scientific and engineering instruments	12,794	12,878	13,019	-0.7	-1.1	-0.7	12,999	12,894	12,946	13,802	-5.8
All other durable goods	7,046	7,300	7,452	-3.5	-2.0	+2.5	6,437	6,081	6,605	6,655	-3.3
Nondurable goods industries	18,803	19,113	19,055	-1.6	+0.3	-0.6	18,370	18,285	18,451	19,548	-6.0
Market categories:											
Home goods and apparel	7,376	7,892	7,928	-6.5	-0.5	+4.3	6,932	6,247	6,767	7,597	-8.8
Consumer staples	809	778	823	+4.0	-5.5	+0.7	837	785	829	861	-2.8
Equipment and defense prod. except automotive	339,776	339,269	333,705	+0.1	+1.7	-0.9	341,980	339,796	333,392	332,998	+2.7
Automotive equipment	6,580	6,594	6,669	-0.2	-1.1	-4.0	6,712	6,602	6,501	7,793	-13.9
Construction materials, supplies and intermediate products	13,115	13,205	13,335	-0.7	-1.0	-2.9	13,056	13,050	13,020	13,889	-6.0
Other materials, supplies, and intermediate products	151,856	152,607	154,745	-0.5	-1.4	-1.1	150,875	149,788	152,070	153,355	-1.6
Supplementary series:											
Capital goods industries	411,142	409,793	404,836	+0.3	+1.2	-1.0	412,905	409,378	404,600	401,670	+2.8
Nondefense	258,495	256,174	250,322	+0.9	+2.3	-0.1	258,837	255,427	250,085	234,492	+10.4
Excluding aircraft and parts	89,914	89,389	89,865	+0.6	-0.5	-1.2	90,256	88,642	89,628	92,590	-2.5
Defense	152,647	153,619	154,514	-0.6	-0.6	-2.5	154,068	153,951	154,515	167,178	-7.8
Household durable goods industries	5,194	5,497	5,619	-5.5	-2.2	+3.9	4,870	4,220	4,649	5,410	-10.0

See footnotes at end of table 2.

Table 4. VALUE OF MANUFACTURERS' INVENTORIES FOR INDUSTRY GROUPS, MARKET CATEGORIES AND SUPPLEMENTARY SERIES
(Millions of dollars)

Industry	Seasonally adjusted						Not seasonally adjusted[1]				
	Monthly			Percent Change			Monthly				Percent change
	Jan. 1991[p]	Dec. 1990[r]	Nov. 1990	Dec.-Jan.[p]	Nov.-Dec.[r]	Oct.-Nov.	Jan. 1991[p]	Dec. 1990[r]	Nov. 1990	Jan. 1990	Jan.91/90[p]
All manufacturing industries	374,876	374,931	378,143	0.0	-0.8	+0.2	374,234	368,420	377,007	372,997	+.3
Manufacturing industries with unfilled orders	258,043	257,657	260,816	+0.1	-1.2	+0.3	256,062	251,578	259,300	258,842	-1.1
Durable goods industries	244,499	244,516	247,800	0.0	-1.3	+0.4	243,348	239,486	246,856	246,692	-1.4
With unfilled orders	225,947	225,624	228,819	+0.1	-1.4	+0.4	224,328	220,617	227,862	227,691	-1.5
Stone, clay, and glass products	8,177	8,135	8,057	+0.5	+1.0	+0.4	8,137	7,993	7,825	7,727	+5.3
Primary metals	21,176	21,514	21,414	-1.6	+0.5	-0.1	21,355	21,416	21,338	20,648	+3.4
Blast furnaces, steel mills	10,924	11,138	10,890	-1.9	+2.3	+0.5	11,055	11,243	10,983	10,682	+3.5
Iron and steel foundries	1,372	1,360	1,358	+0.9	+0.1	-0.9	1,393	1,334	1,302	1,343	+3.7
Nonferrous and other primary metals	8,880	9,016	9,166	-1.5	-1.6	-0.7	8,907	8,839	9,053	8,623	+3.3
Fabricated metal products	23,944	23,340	23,631	+2.6	-1.2	-0.3	23,992	22,990	23,353	23,989	.0
Machinery, except electrical	47,178	46,930	47,632	+0.5	-1.5	+0.1	47,016	45,919	47,549	48,088	-2.2
Engines and turbines	3,280	3,218	3,211	+1.9	+0.2	+1.8	3,065	2,933	3,345	2,852	+7.5
Construction, mining and material handling equipment	7,906	7,777	7,654	+1.7	+1.6	+0.4	7,985	7,685	7,567	7,652	+4.4
Metalworking machinery	3,035	3,011	3,060	+0.8	-1.6	-0.8	2,959	2,895	3,056	3,086	-4.1
Office and computing machines	11,617	11,482	12,108	+1.2	-5.2	-1.1	11,466	11,294	12,154	12,493	-8.2
Electrical machinery	38,688	38,857	39,595	-0.4	-1.9	-0.3	38,143	37,899	39,254	40,340	-5.4
Electrical transmission and distribution equipment and industrial apparatus	4,684	4,921	5,056	-4.8	-2.7	+0.5	4,651	4,854	4,990	5,145	-9.6
Household appliances	2,506	2,548	2,697	-1.6	-5.5	-1.8	2,466	2,398	2,564	2,902	-15.0
Radio and TV	1,623	1,653	1,704	-1.8	-3.0	-4.9	1,555	1,546	1,601	1,805	-13.9
Communication equipment	14,550	14,466	14,808	+0.6	-2.3	-0.7	14,351	14,147	14,915	15,752	-8.9
Electronic components	8,990	8,957	8,972	+0.4	-0.2	+0.7	8,918	8,839	8,946	8,557	+4.2
Other electrical machinery	6,335	6,312	6,358	+0.4	-0.7	+0.3	6,202	6,115	6,238	6,179	+.4
Transportation equipment	73,657	73,787	75,119	-0.2	-1.8	+1.7	73,030	71,881	75,497	72,964	+.1
Motor vehicles and parts	12,701	12,721	12,435	-0.2	+2.3	+3.0	13,170	12,637	12,694	12,599	+4.5
Aircraft, missiles, and parts.	56,825	56,902	58,427	-0.1	-2.6	+1.6	55,810	55,209	58,552	55,702	+.2
Shipbuilding and military tank vehicles	2,087	2,164	2,229	-3.6	-2.9	+2.1	2,019	2,042	2,239	2,438	-17.2
Instruments and related products	13,134	13,215	13,377	-0.6	-1.2	-0.6	13,022	12,870	13,382	14,004	-7.0
Scientific and engineering instruments	9,780	9,817	9,930	-0.4	-1.1	-1.0	9,751	9,633	9,945	10,335	-5.7
All other durable goods	18,545	18,738	18,975	-1.0	-1.2	-0.5	18,653	18,518	18,658	18,932	-1.5
Nondurable goods industries	130,377	130,415	130,343	0.0	+0.1	-0.2	130,886	128,934	130,151	126,305	+3.6
With unfilled orders	32,096	32,033	31,997	+0.2	+0.1	-0.3	31,734	30,961	31,438	31,151	+1.9
Food and kindred products	27,687	27,396	27,670	+1.1	-1.0	-0.3	28,225	27,843	28,937	26,846	+5.1
Dairy products	2,656	2,705	2,800	-1.8	-3.4	-1.9	2,643	2,642	2,731	2,518	+5.0
Beverages	4,290	4,238	4,272	+1.2	-0.8	-1.2	4,324	4,205	4,278	4,251	+1.7
All other foods	16,169	15,960	15,913	+1.3	+0.3	+1.1	16,557	16,512	16,991	15,916	+4.0
Tobacco products	6,064	5,777	5,626	+5.0	+2.7	-1.8	6,531	6,030	5,647	6,135	+6.5
Textile mill products	8,134	8,166	8,262	-0.4	-1.2	-1.4	8,058	7,804	7,996	8,210	-1.9
Broadwoven fabrics	4,586	4,600	4,669	-0.3	-1.5	-1.8	4,591	4,432	4,578	4,677	-1.8
Paper and allied products	13,068	12,980	12,787	+0.7	+1.5	+0.1	13,158	12,870	12,652	12,752	+3.2
Pulp, paper etc.	5,292	5,305	5,233	-0.2	+1.4	+0.5	5,413	5,311	5,151	5,072	+6.7
Paperboard containers	3,231	3,258	3,120	-0.8	+4.4	+0.7	3,234	3,215	3,063	3,311	-2.3
All other paper products	4,545	4,417	4,434	+2.9	-0.4	-0.7	4,511	4,344	4,438	4,369	+3.3
Chemicals and allied products	30,522	30,191	29,958	+1.1	+0.8	+0.8	30,564	29,952	29,785	28,726	+6.4
Industrial chemicals, except pigments	7,970	7,852	7,674	+1.5	+2.3	+1.3	8,010	7,818	7,608	7,820	+2.4
Drugs, soaps, and toiletries	10,413	10,278	10,308	+1.3	-0.3	+0.3	10,226	10,077	10,362	9,638	+6.1
Other chemical products	7,642	7,688	7,553	-0.6	+1.8	+1.2	7,726	7,656	7,434	7,105	+8.7
Petroleum and coal products	12,030	12,893	13,090	-6.7	-1.5	-0.7	11,975	12,547	13,146	11,212	+6.8
Rubber and plastics products	11,095	11,033	10,899	+0.6	+1.2	+0.1	11,146	10,899	10,712	10,461	+6.5
All other nondurable goods	21,777	21,979	22,051	-0.9	-0.3	-0.8	21,229	20,989	21,276	21,963	-3.3
Market categories:											
Home goods and apparel	25,868	26,236	26,569	-1.4	-1.3	-1.1	25,571	25,227	25,372	27,685	-7.6
Consumer staples	48,374	47,733	47,756	+1.3	0.0	0.0	48,976	47,894	48,680	46,593	+5.1
Equipment and defense prod. except automotive	109,833	110,642	113,440	-0.7	-2.5	+0.5	108,901	108,134	113,266	113,708	-4.2
Automotive equipment	15,714	15,683	15,401	+0.2	+1.8	+2.2	16,120	15,556	15,610	15,540	+3.7
Construction materials, supplies and intermediate products	26,397	26,223	26,423	+0.7	-0.8	-0.7	26,547	25,838	25,901	25,945	+2.3
Other materials, supplies, and intermediate products	148,690	148,414	148,554	+0.2	-0.1	+0.2	148,119	145,771	148,178	143,526	+3.2
Supplementary series:[2]											
Capital goods industries	129,358	129,380	132,150	0.0	-2.1	+0.7	127,579	125,892	132,092	130,944	-2.6
Nondefense	93,615	92,664	93,642	+1.0	-1.0	+0.5	92,733	90,496	93,579	93,406	-.7
Excluding aircraft and parts	63,629	63,460	64,529	+0.3	-1.7	0.0	63,072	61,931	64,376	65,820	-4.2
Defense	35,743	36,716	38,508	-2.7	-4.7	+1.0	34,846	35,396	38,513	37,538	-7.2
Household durable goods industries	12,800	12,909	13,204	-0.8	-2.2	-0.8	12,672	12,356	12,690	13,502	-6.1

See footnotes at end of table 2.

Table 5. VALUE OF MANUFACTURERS' INVENTORIES, BY STAGE OF FABRICATION, BY INDUSTRY GROUP
(Millions of dollars)

Industry	Seasonally adjusted						Not seasonally adjusted				
	Monthly			Percent Change			Monthly				Percent change
	Jan. 1991[p]	Dec. 1990[r]	Nov. 1990	Dec.-Jan.[p]	Nov.-Dec.[r]	Oct.-Nov.	Jan. 1991[p]	Dec. 1990[r]	Nov. 1990	Jan. 1990	Jan.91/90[p]
MATERIALS AND SUPPLIES											
All manufacturing industries	115,542	115,029	115,634	+0.4	-0.5	+0.5	116,573	115,492	115,313	115,681	+.8
Durable goods industries	67,465	67,174	67,331	+0.4	-0.2	+0.5	67,717	67,161	67,253	68,277	-.8
Stone, clay, and glass products	2,580	2,582	2,589	-0.1	-0.3	-1.2	2,584	2,584	2,557	2,606	-.8
Primary metals	6,315	6,389	6,466	-1.2	-1.2	-1.7	6,483	6,641	6,592	6,598	-1.7
Fabricated metal products	8,391	8,168	8,152	+2.7	+0.2	-1.0	8,521	8,201	8,039	8,778	-2.9
Machinery, except electrical	12,716	12,424	12,350	+2.4	+0.6	+0.7	12,765	12,295	12,320	12,858	-.7
Electrical machinery	10,775	10,957	11,111	-1.7	-1.4	+0.3	10,684	10,849	11,004	11,270	-5.2
Transportation equipment	14,540	14,374	14,249	+1.2	+0.9	+3.4	14,438	14,313	14,217	13,541	+6.6
Instruments and related products	4,697	4,749	4,840	-1.1	-1.9	-1.3	4,695	4,625	4,813	5,091	-7.8
Lumber, furniture and miscellaneous durable goods	7,451	7,531	7,574	-1.1	-0.6	+0.4	7,547	7,653	7,711	7,535	+.2
Nondurable goods industries	48,077	47,855	48,303	+0.5	-0.9	+0.4	48,856	48,331	48,060	47,404	+3.1
Food and kindred products	9,010	8,900	9,180	+1.2	-3.1	+0.3	9,338	9,177	9,548	8,907	+4.8
Tobacco products	4,303	4,200	4,341	+2.5	-3.2	+2.5	4,758	4,622	4,288	4,683	+1.6
Textile mill products	2,447	2,420	2,420	+1.1	0.0	-0.7	2,436	2,349	2,308	2,438	-.1
Paper and allied products	7,036	7,003	7,005	+0.5	0.0	+1.6	7,089	7,005	6,964	6,865	+3.3
Chemicals and allied products	10,580	10,473	10,446	+1.0	+0.3	-0.3	10,555	10,418	10,348	10,033	+5.2
Petroleum and coal products	2,885	3,030	2,963	-4.8	+2.3	-2.6	2,818	3,061	2,920	2,659	+6.0
Rubber and plastics products	3,998	3,934	4,025	+1.6	-2.3	+0.4	4,056	4,027	4,013	3,871	+4.8
Apparel, printing and publishing and leather goods	7,818	7,895	7,923	-1.0	-0.4	+0.8	7,806	7,672	7,671	7,948	-1.8
WORK IN PROCESS											
All manufacturing industries	136,043	136,619	139,278	-0.4	-1.9	+0.1	134,330	132,642	139,423	137,954	-2.6
Durable goods industries	115,000	115,117	117,781	-0.1	-2.3	+0.3	113,474	111,733	117,753	117,043	-3.0
Stone, clay, and glass products	1,014	1,032	1,023	-1.7	+0.9	+1.7	1,013	984	968	1,047	-3.2
Primary metals	8,436	8,546	8,490	-1.3	+0.7	+0.1	8,457	8,404	8,408	8,299	+1.9
Fabricated metal products	8,169	8,064	8,176	+1.3	-1.4	-0.7	8,060	7,853	8,185	8,246	-2.3
Machinery, except electrical	19,677	19,775	20,386	-0.5	-3.0	-0.1	19,262	19,075	20,458	20,299	-5.1
Electrical machinery	17,905	17,821	18,120	+0.5	-1.7	-0.6	17,556	17,252	18,090	18,748	-6.4
Transportation equipment	51,141	51,146	52,686	0.0	-2.9	+1.2	50,528	49,600	52,829	51,434	-1.8
Instruments and related products	4,851	4,876	4,886	-0.5	-0.2	-0.1	4,767	4,749	4,898	5,184	-8.0
Lumber, furniture and miscellaneous durable goods	3,807	3,857	4,014	-1.3	-3.9	-1.8	3,831	3,816	3,917	3,786	+1.2
Nondurable goods industries	21,043	21,502	21,497	-2.1	0.0	-1.1	20,856	20,909	21,670	20,911	-.3
Food and kindred products	2,871	2,970	2,948	-3.3	+0.7	-1.2	2,915	2,982	3,052	2,777	+5.0
Tobacco products	266	325	282	-18.2	+15.2	+0.4	251	355	371	312	-19.6
Textile mill products	2,482	2,480	2,470	+0.1	+0.4	-1.9	2,486	2,405	2,429	2,541	-2.2
Paper and allied products	1,317	1,362	1,318	-3.3	+3.3	+1.2	1,294	1,332	1,300	1,338	-3.3
Chemicals and allied products	4,985	5,004	5,020	-0.4	-0.3	+2.6	4,938	4,808	5,023	4,755	+3.8
Petroleum and coal products	3,198	3,430	3,556	-6.8	-3.5	-5.7	3,194	3,336	3,632	3,170	+.8
Rubber and plastics products	1,425	1,418	1,420	+0.5	-0.1	-3.6	1,456	1,424	1,431	1,453	+.2
Apparel, printing and publishing and leather goods	4,499	4,513	4,483	-0.3	+0.7	-0.5	4,322	4,267	4,432	4,565	-5.3
FINISHED GOODS											
All manufacturing industries	123,291	123,283	123,231	0.0	0.0	0.0	123,331	120,286	122,271	119,362	+3.3
Durable goods industries	62,034	62,225	62,688	-0.3	-0.7	+0.5	62,157	60,592	61,850	61,372	+1.3
Stone, clay, and glass products	4,583	4,521	4,445	+1.4	+1.7	+1.0	4,540	4,425	4,300	4,074	+11.4
Primary metals	6,425	6,579	6,458	-2.3	+1.9	+1.3	6,415	6,371	6,338	5,751	+11.5
Fabricated metal products	7,384	7,108	7,303	+3.9	-2.7	+0.9	7,411	6,936	7,129	6,965	+6.4
Machinery, except electrical	14,785	14,731	14,896	+0.4	-1.1	0.0	14,989	14,549	14,771	14,931	+.4
Electrical machinery	10,008	10,079	10,364	-0.7	-2.7	-0.5	9,903	9,798	10,160	10,322	-4.1
Transportation equipment	7,976	8,267	8,184	-3.5	+1.0	+2.6	8,064	7,968	8,451	7,989	+.9
Instruments and related products	3,586	3,590	3,651	-0.1	-1.7	-0.4	3,560	3,496	3,671	3,729	-4.5
Lumber, furniture and miscellaneous durable goods	7,287	7,350	7,387	-0.9	-0.5	-0.6	7,275	7,049	7,030	7,611	-4.4
Nondurable goods industries	61,257	61,058	60,543	+0.3	+0.9	-0.4	61,174	59,694	60,421	57,990	+5.5
Food and kindred products	15,806	15,526	15,542	+1.8	-0.1	-0.4	15,972	15,684	16,337	15,162	+5.3
Tobacco products	1,495	1,252	1,003	+19.4	+24.8	-17.4	1,522	1,053	988	1,140	+33.5
Textile mill products	3,205	3,266	3,372	-1.9	-3.1	-1.6	3,136	3,050	3,259	3,231	-2.9
Paper and allied products	4,715	4,615	4,464	+2.2	+3.4	-2.3	4,775	4,533	4,388	4,549	+5.0
Chemicals and allied products	14,957	14,714	14,492	+1.7	+1.5	+1.1	15,071	14,726	14,414	13,938	+8.1
Petroleum and coal products	5,947	6,433	6,571	-7.6	-2.1	+3.2	5,963	6,150	6,594	5,383	+10.8
Rubber and plastics products	5,672	5,681	5,454	-0.2	+4.2	+0.8	5,634	5,448	5,268	5,137	+9.7
Apparel, printing and publishing and leather goods	9,460	9,571	9,645	-1.2	-0.8	-2.2	9,101	9,050	9,173	9,450	-3.7

[p]Preliminary. [r]Revised.

Table 6. RATIO OF MANUFACTURES' INVENTORIES TO SHIPMENTS AND UNFILLED ORDERS TO SHIPMENTS, BY INDUSTRY GROUP
(Based on seasonally adjusted data)

Industry	Inventory / Shipments ratio				Unfilled Orders / Shipments ratio[1]			
	Jan. 1991[p]	Dec. 1990[r]	Nov. 1990	Oct. 1990	Jan. 1991[p]	Dec. 1990[r]	Nov. 1990	Oct. 1990
All manufacturing industries	1.62	1.62	1.57	1.53	4.04	4.06	3.95	3.91
Durable goods industries	2.07	2.09	2.04	1.96	4.94	4.99	4.85	4.77
Stone, clay, and glass products	1.69	1.65	1.58	1.53	1.16	1.17	1.13	1.14
Primary metals	1.96	1.97	1.92	1.83	1.90	2.02	2.07	2.01
Fabricated metal products	1.76	1.68	1.73	1.66	2.04	1.96	2.00	1.94
Machinery, except electrical	2.16	2.14	2.11	2.10	2.87	2.85	2.84	2.85
Electrical machinery	1.91	1.90	1.92	1.93	4.30	4.34	4.26	4.39
Transportation equipment	2.58	2.79	2.54	2.23	14.23	15.06	14.00	13.18
Instruments and related products	1.95	2.03	1.95	1.96	2.04	2.12	2.05	2.05
Nondurable goods industries	1.15	1.14	1.09	1.08	0.69	0.69	0.68	0.68
Food and kindred products	0.84	0.80	0.80	0.81	(X)	(X)	(X)	(X)
Tobacco products	2.73	3.31	2.16	2.26	(X)	(X)	(X)	(X)
Textile mill products	1.75	1.72	1.67	1.70	(NA)	(NA)	(NA)	(NA)
Paper and allied products	1.24	1.21	1.16	1.16	(NA)	(NA)	(NA)	(NA)
Chemicals and allied products	1.36	1.37	1.30	1.28	(X)	(X)	(X)	(X)
Petroleum and coal products	0.85	0.85	0.77	0.73	(X)	(X)	(X)	(X)
Rubber and plastics products	1.49	1.56	1.50	1.43	(X)	(X)	(X)	(X)

[p]Preliminary. [r] Revised. (X) Not applicable. (NA) Not available.

[1]Excludes the following industries with no unfilled orders: Wood and lumber products; glass containers; metal cans, barrels and drums; farm machinery and equipment; motor vehicle assembly operations; other transportation equipment; foods and related products; tobacco; apparel and related products; building paper; die-cut paper and board; chemicals; petroleum and coal products; and rubber and plastics products.

Table 7. AVERAGE REVISIONS TO PREVIOUSLY PUBLISHED MONTHLY PERCENT CHANGES
(Based on seasonally adjusted data)

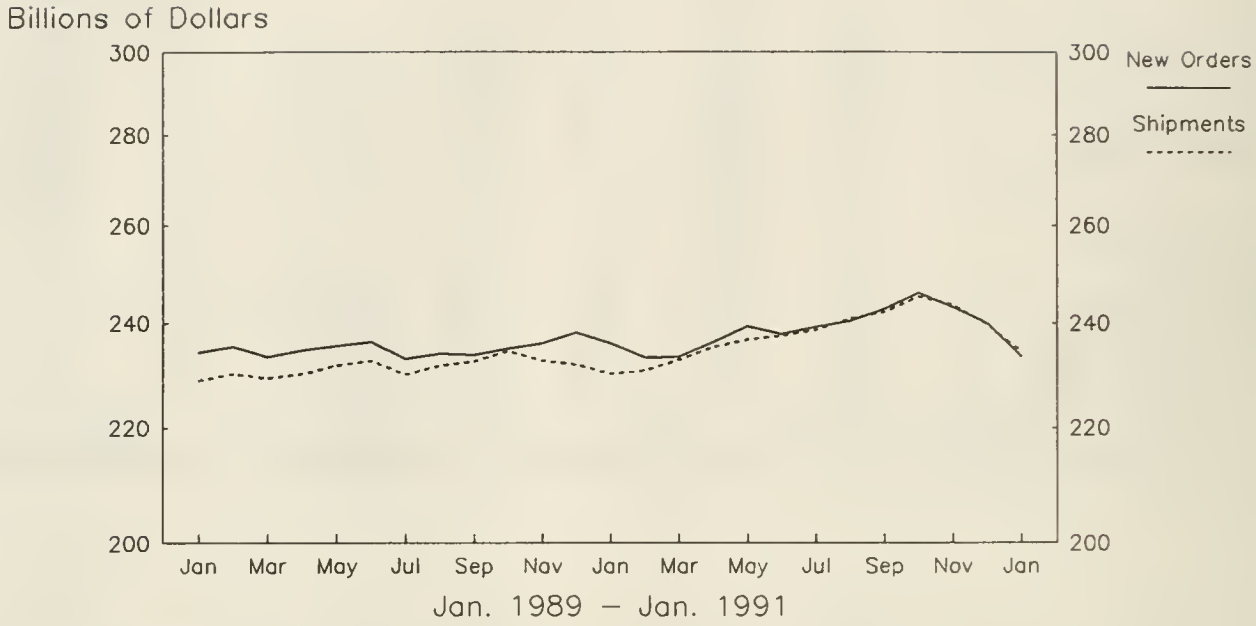
Industry	Shipments			New orders			Unfilled orders			Inventories		
	Jan. 1990	Jan.[1] 1986-1990	Jan. 1990-Dec. 1990	Jan. 1990	Jan.[1] 1986-1990	Jan. 1990-Dec. 1990	Jan. 1990	Jan.[1] 1986-1990	Jan. 1990-Dec. 1990	Jan. 1990	Jan.[1] 1986-1990	Jan. 1990-Dec. 1990
All manufacturing industries	0.0	0.2	0.1	0.2	0.3	0.1	0.1	0.1	0.0	0.1	0.1	0.0
Durable goods industries	0.1	0.2	0.1	0.1	0.3	0.3	0.0	0.1	0.0	0.0	0.0	0.0
Stone, clay, and glass products	1.1	1.0	0.4	1.0	1.1	0.5	0.1	0.4	0.3	0.5	0.7	0.2
Primary metals	0.4	0.6	0.3	0.1	0.7	0.5	0.2	0.5	0.2	0.2	0.3	0.2
Fabricated metal products	1.1	1.2	0.5	1.0	1.2	0.6	1.2	0.4	0.2	0.7	0.3	0.1
Machinery, except electrical	0.4	0.9	0.3	0.6	1.5	0.5	0.3	0.3	0.2	0.1	0.2	0.1
Electrical machinery	0.6	0.6	0.2	0.5	1.3	0.6	0.0	0.2	0.1	0.0	0.2	0.1
Transportation equipment	0.5	0.4	0.3	0.6	0.3	0.4	0.0	0.0	0.0	0.0	0.1	0.1
Instruments and related products	3.0	1.8	0.5	2.5	1.8	0.9	0.2	0.5	0.3	0.7	0.3	0.2
Nondurable goods industries	0.0	0.3	0.1	0.2	0.4	0.1	1.1	0.6	0.4	0.0	0.2	0.0
Food and kindred products	0.0	0.3	0.1	(X)	(X)	(X)	(X)	(X)	(X)	0.4	0.3	0.2
Tobacco products	0.1	0.1	0.1	(X)	(X)	(X)	(X)	(X)	(X)	0.0	0.4	0.0
Textile mill products	0.9	0.5	0.9	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	0.7	1.4	0.2
Paper and allied products	0.4	0.6	0.3	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	0.0	0.4	0.2
Chemicals and allied products	0.4	0.8	0.3	(X)	(X)	(X)	(X)	(X)	(X)	0.0	0.3	0.1
Petroleum and coal products	0.3	1.1	0.2	(X)	(X)	(X)	(X)	(X)	(X)	0.0	0.6	0.1
Rubber and plastics products	0.9	1.0	0.7	(X)	(X)	(X)	(X)	(X)	(X)	0.6	0.9	0.3
Capital goods industries:												
Nondefense	0.0	0.7	0.3	0.5	0.8	0.5	0.1	0.1	0.1	0.0	0.2	0.1
Defense	0.4	1.1	0.6	4.8	1.6	1.9	0.3	0.1	0.0	0.0	0.1	0.1

(X) Not applicable. (NA) Not available.

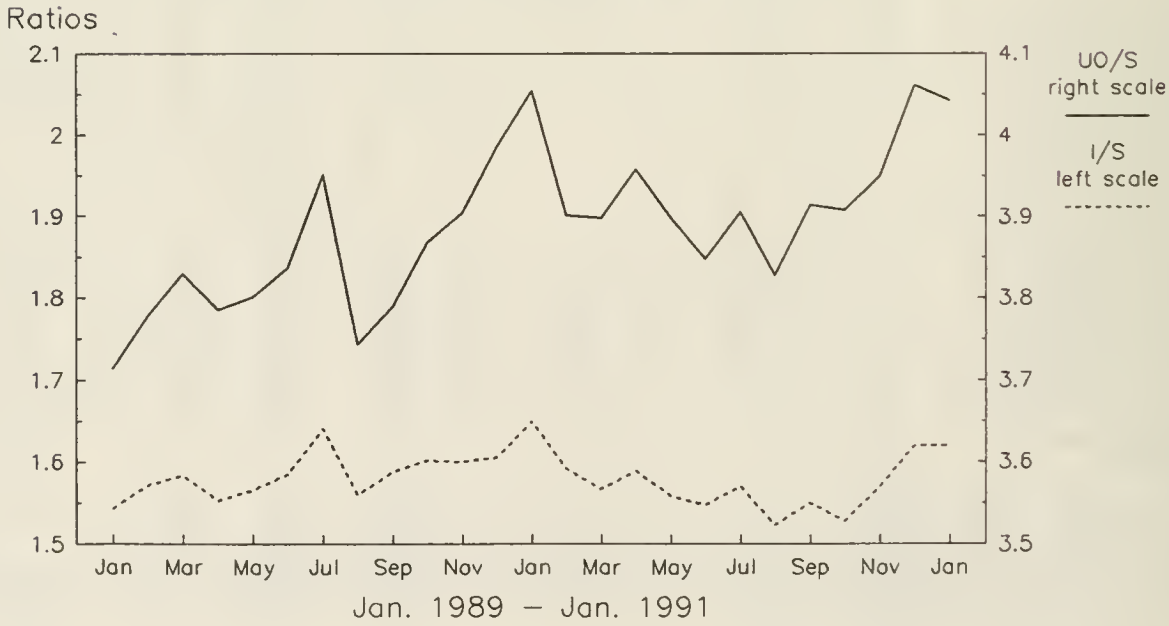
Note: The revisions are the differences between the month-to-month percent changes of the preliminary and final estimates. The monthly averages are the simple averages of the differences, without regard to sign, for the months specified. The advance to final percent change revisions for the durable goods industries are shown in the advance report for the month.

[1]Average for this month for the last five years.

Total Manufacturing
New Orders and Shipments
Three Month Moving Averages

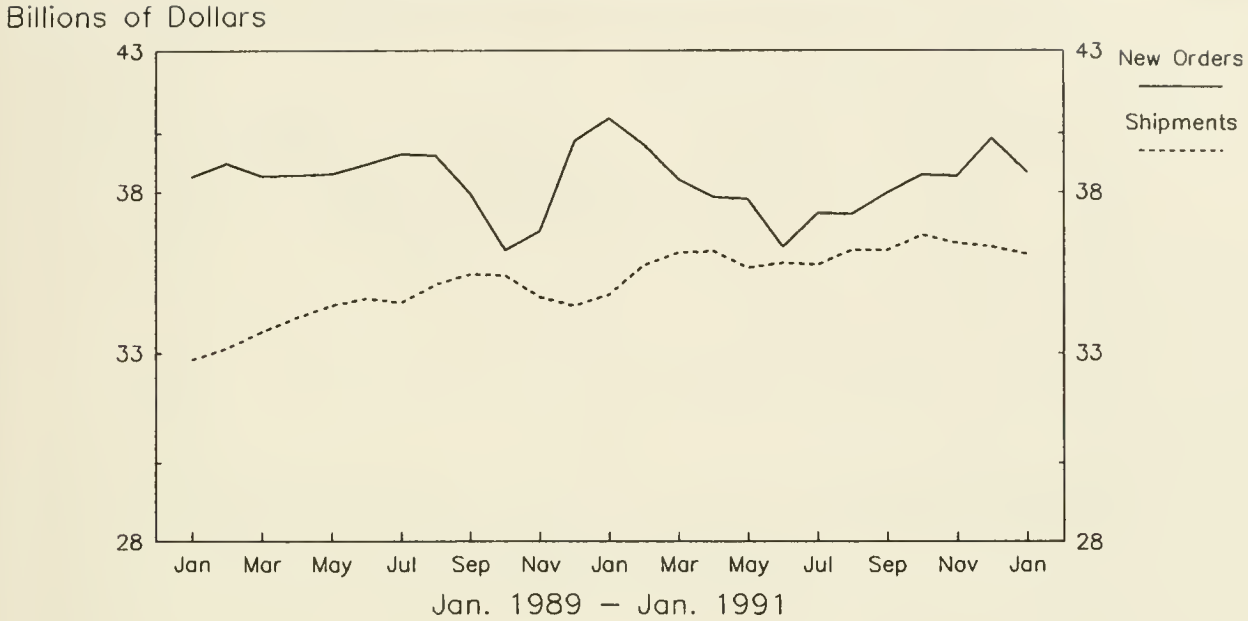


Total Manufacturing
Ratios of Unfilled Orders and
Inventories to Shipments

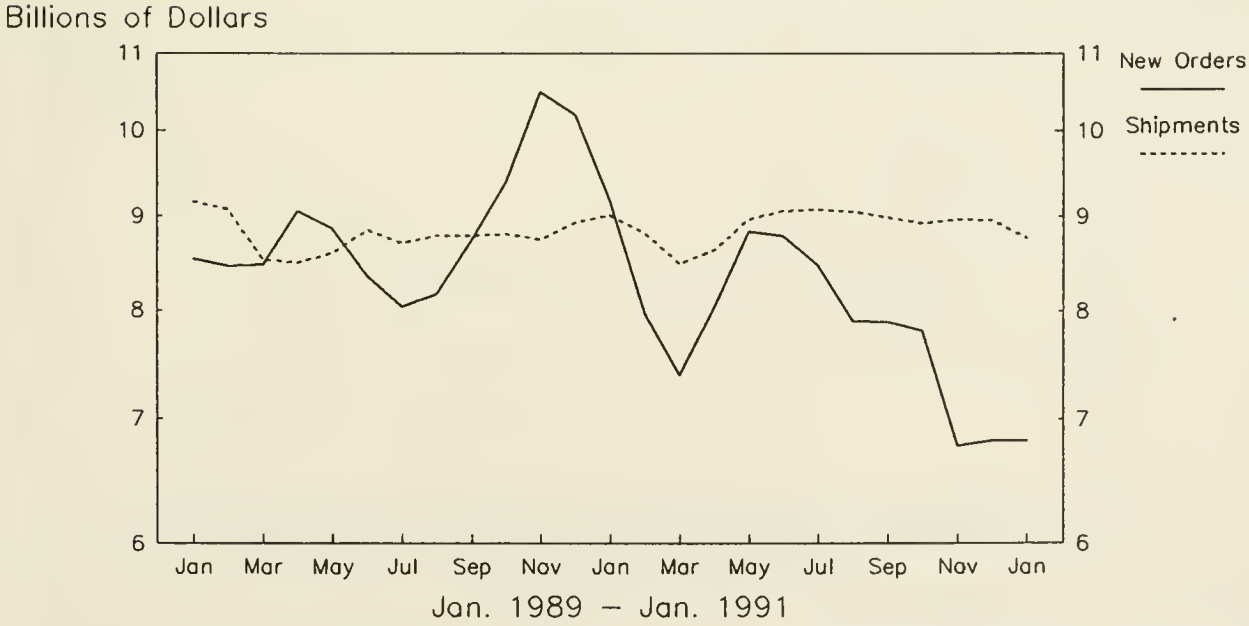


Note: All Charts based on seasonally adjusted current dollars.

Nondefense Capital Goods
New Orders and Shipments
Three Month Moving Averages

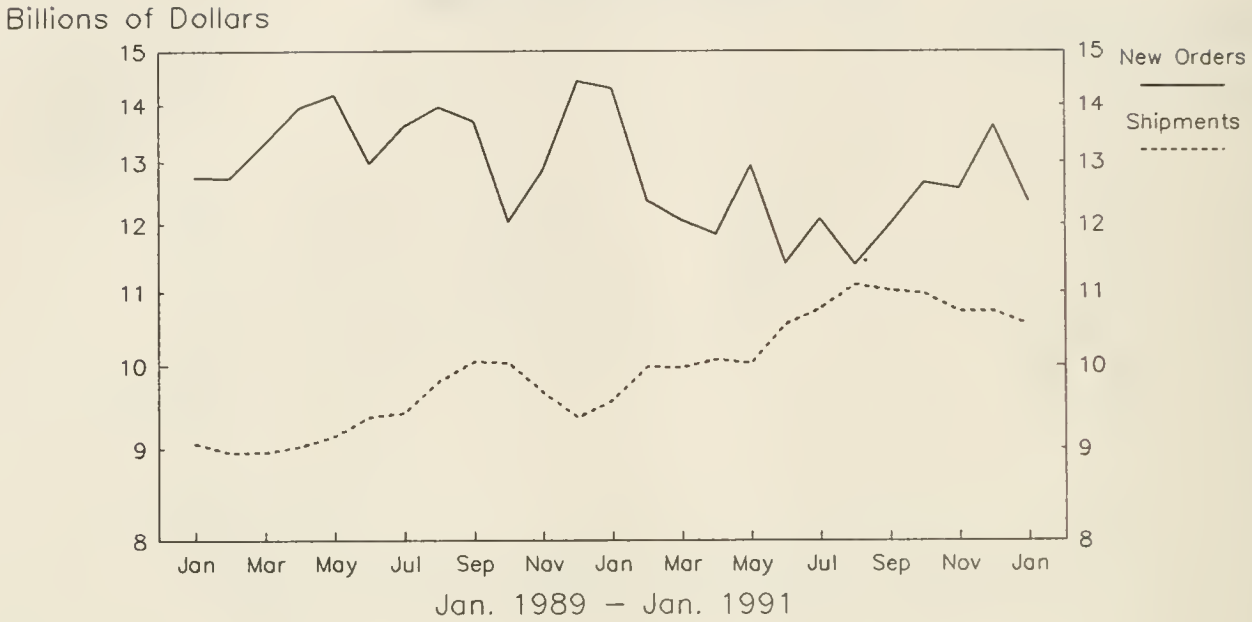


Defense Capital Goods
New Orders and Shipments
Three Month Moving Averages

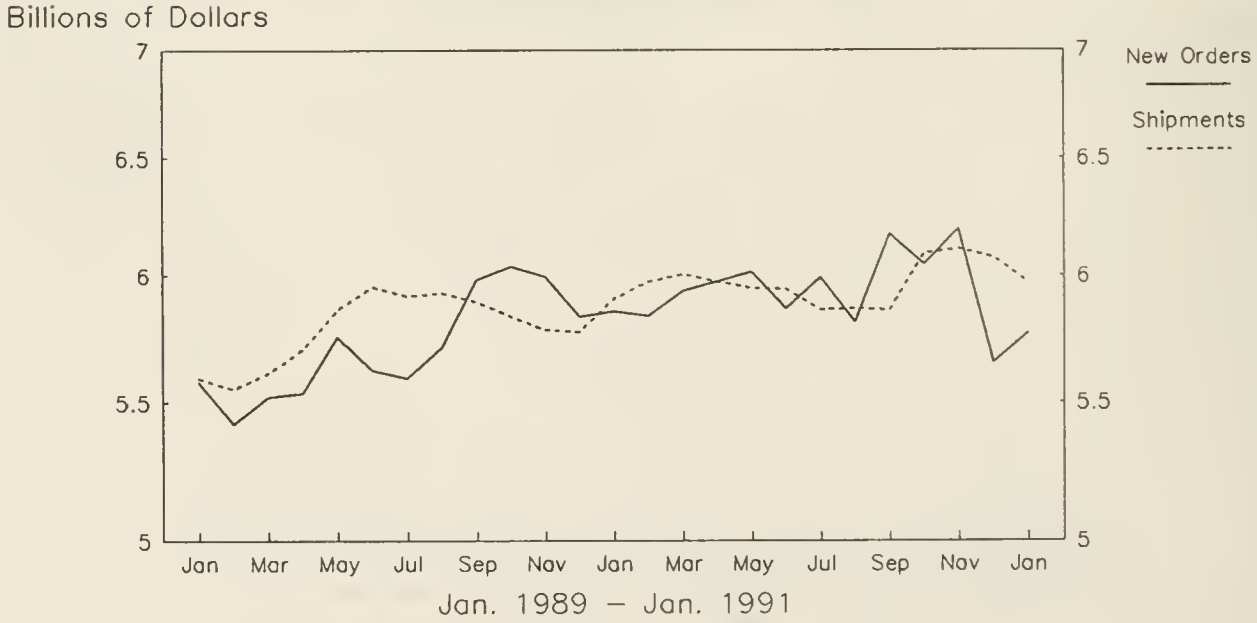


Note: All Charts based on seasonally adjusted current dollars.

Aircraft, Missiles and Parts
New Orders and Shipments
Three Month Moving Averages

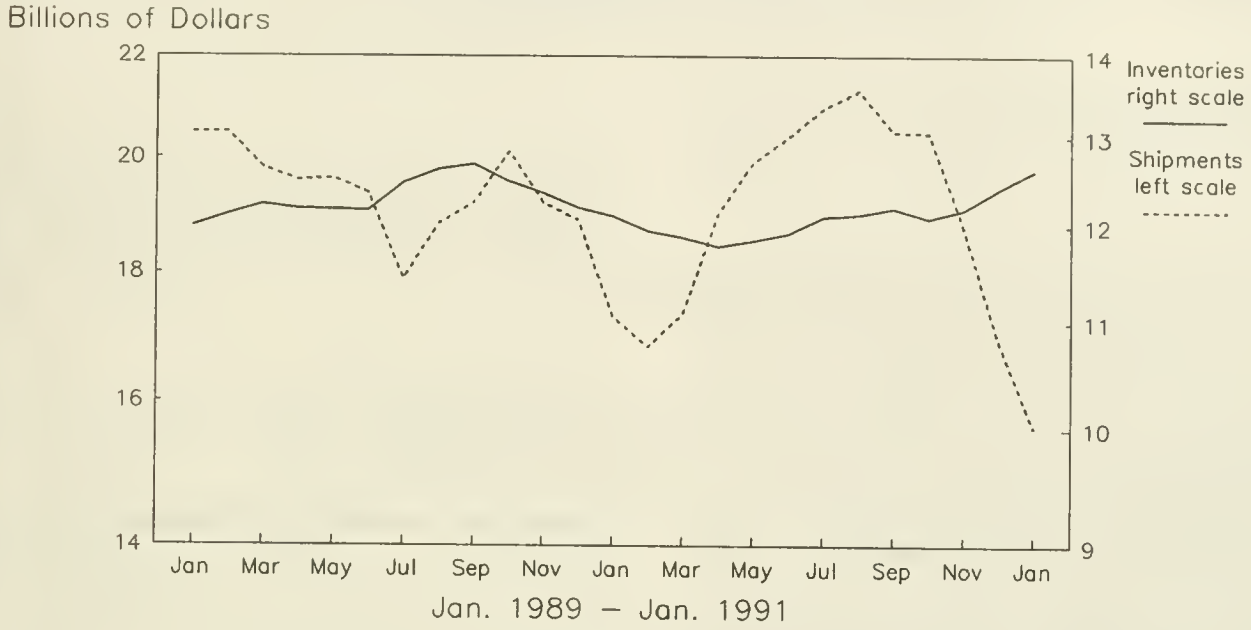


Office and Computing Equipment
New Orders and Shipments
Three Month Moving Average

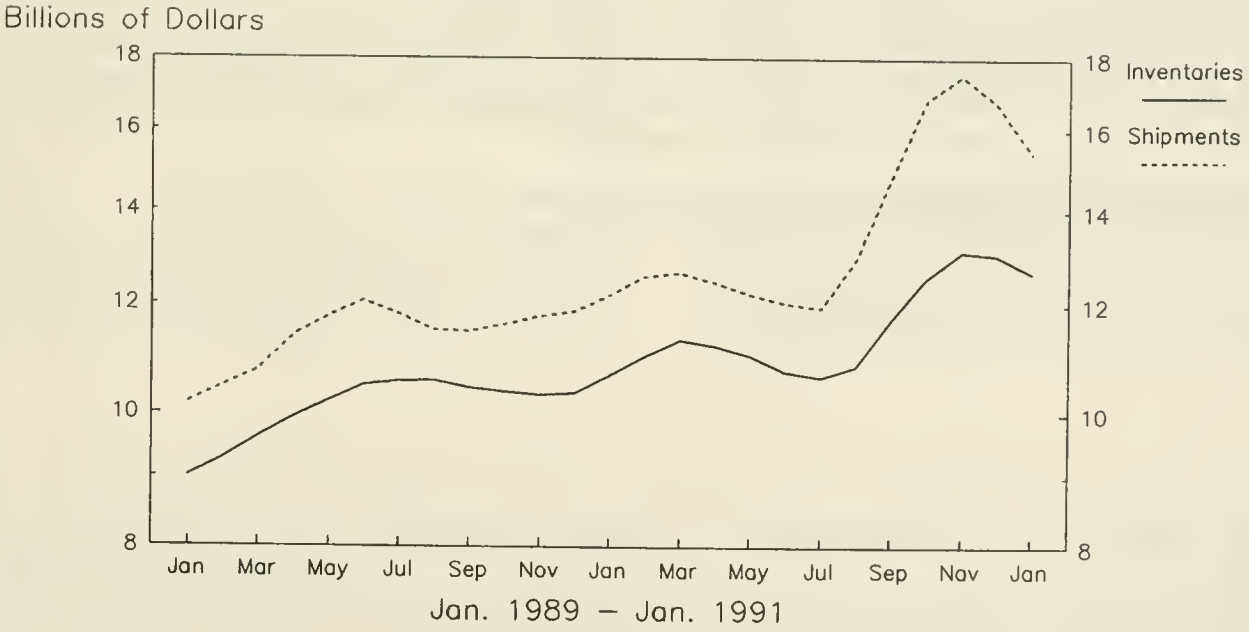


Note: All Charts based on seasonally adjusted current dollars.

Motor Vehicles and Parts
Shipments and Inventories
Three Month Moving Averages



Petroleum and Coal Products
Shipments and Inventories
Three Month Moving Averages



Note: All Charts based on seasonally adjusted current dollars.

U.S. Department of Commerce
BUREAU OF THE CENSUS
Washington, D.C. 20233

Official Business
Penalty for Private Use, $300

U.S.MAIL

POSTAGE AND FEES PAID
U S DEPARTMENT OF COMMERCE
COM-202

First Class Mail

NOTICE

Revised historical data for Manufacturers' Shipments, Inventories, and Orders will be issued March 22, 1991. The primary purpose of the revision is to benchmark the data to the 1987 Census of Manufactures and 1988 Annual Survey of Manufactures, and to convert the time series to the 1987 standard industrial classifications (SIC).

Revisions related to benchmarking affect all industry categories back to 1982. Revisions resulting from the SIC conversion affect about half of the industry categories and extend to 1958, the beginning of the available data set. Less significant revisions reflect the addition of data received too late to include in the monthly press releases, corrections for misclassified reports, and updating the trading day adjustment methodology.

A new feature in the survey is the addition of several aggregate series which are of specific data user interest, such as Information Technology Industries, Producers' Durable Equipment, and Health Care Equipment and Products. A list of the M3 survey industry categories as revised and their 1987 4-digit SIC composition is available upon request.

Any questions regarding this announcement can be answered by calling Ruth Runyan on (301) 763-2502.

.158:M 3-1-(91)-2
ent Industrial Reports,...

DEPOSITORY
MAY 29 1991
BOSTON PUBLIC LIBRARY
GOVERNMENT DOCUMENTS DEPARTMENT

Manufacturers' Shipments, Inventories, and Orders

U. S. Department of Commerce
BUREAU OF THE CENSUS

February 1991
M3-1-(91)-2
For Wire Transmissions 10:00 a.m. E.S.T. Tuesday, April 2, 1991

(All figures in text are in seasonally adjusted current dollars)

Summary

New orders for manufactured goods in February decreased $1.2 billion or 0.5 percent to $233.2 billion, the Department of Commerce, Bureau of the Census reported today. This is the fourth consecutive decline in orders since reaching the high in October of $255.0 billion. Both the durable and nondurable sectors contributed to the February decrease.

Shipments were down $1.1 billion or 0.5 percent to $233.4 billion, also the fourth consecutive decline. Nondurables accounted for the entire decrease; durables were relatively flat.

Unfilled orders in February were unchanged from January at $526.9 billion. Inventories were also unchanged at $388.5 billion, following declines in December and January. The inventory to shipments ratio was 1.66, the same as January.

New Orders

Orders for durable goods were down $0.3 billion or 0.3 percent to $117.5 billion, with nearly offsetting movements in the machinery industries. Industrial machinery and equipment declined $1.9 billion or 8.6 percent to $19.9 billion, with construction, mining, and material handling equipment accounting for $0.8 billion of the decrease. Electronic and other electrical equipment increased $1.8 billion or 10.8 percent to $18.0 billion; electronic components and communication equipment accounted for most of the gain. The other major industries had smaller virtually offsetting movements. New orders for nondurable goods were down $0.9 billion or 0.8 percent to $115.8 billion.

Shipments

Within the durable goods industries an increase in transportation equipment offset declines in most of the other major industries. Transportation increased $0.9 billion or 3.2 percent to $29.0 billion; aircraft and parts were up $1.2 billion or 12.0 percent, while motor vehicles and parts were down $0.3 billion or 1.9 percent, the third decline in the last 4 months. Primary metals were down $0.6 billion or 5.0 percent to $10.6 billion, the sixth decline in the last 7 months.

Shipments of nondurables were down $1.1 billion or 0.9 percent to $115.8 billion. Petroleum and coal products were down $1.3 billion or 8.2 percent to $14.2 billion, the fourth consecutive monthly decline. Food products were up $0.8 billion or 2.4 percent to $32.9 billion, following a 4.6 percent decrease in January.

Unfilled Orders

Unfilled orders in February were unchanged at $526.9 billion, with offsetting movements in the specific categories. Primary metals and industrial machinery and equipment had the largest declines, each down $1.0 billion. Electronic and other electrical equipment increased $1.5 billion or 3.1 percent and transportation equipment $0.8 billion or 0.3 percent. Unfilled orders for nondurables were down $0.1 billion or 0.4 percent to $20.5 billion.

Inventories

Inventories of durable goods manufacturers were up slightly, $0.2 billion or 0.1 percent to $252.4 billion, and nondurables down $0.1 billion or 0.1 percent to $136.1 billion. By stage of fabrication, finished goods inventories increased 0.6 percent in durables and 0.3 percent in nondurables. Work in process was down 0.2 percent in durables and unchanged in nondurables. Materials and supplies were unchanged in durables and down 0.6 percent in nondurables.

The data in this press release are consistent with the recently revised historical series. A report which includes these data from 1982 through 1990 will be available in about 2 weeks. All revised historical data from 1958 through 1990 on tape can be purchased from the Data User Services Division (301) 763-4100. Information on selected series can be obtained now by calling (301) 763-2502.

The advance report on durable goods for March is scheduled for April 23, 1991 at 8:30 a.m. and the full report on April 30, 1991 at 10:00 a.m. Address inquiries concerning these figures to U.S. Department of Commerce, Bureau of the Census, Industry Division, Washington, DC 20233 or call Ruth Runyan or Kathleen Menth, (301) 763-2502 or (301) 763-2512.

For sale by the Superintendent of Documents, U.S. Government Printing Office, Washington, DC 20402. This report is also available the day of issue through the Department of Commerce's online Economic Bulletin Board (N-8-1) (202-377-3870) and through the Census Bureau's online information service-CENDATA. CENDATA is available from Dialog Information Services, INC. (1-800-334-2464) and CompuServe (1-800-848-8199). The CENDATA staff at the Bureau of the Census (301-763-2074) can provide content information and general guidance.

Table 1. VALUE OF MANUFACTURERS' SHIPMENTS FOR INDUSTRY GROUPS
(Millions of dollars)

Industry	Seasonally adjusted						Not seasonally adjusted[1]						
	Monthly			Percent Change			Monthly				Percent change	Year to date	
	Feb. 1991[p]	Jan. 1991[r]	Dec. 1990[r]	Jan.-Feb.	Dec.-Jan.	Nov.-Dec.	Feb. 1991[p]	Jan. 1991[r]	Dec. 1990[r]	Feb. 1990[r]	Feb. 91/90	1991[p]	1990[r]
All manufacturing industries	233,445	234,548	236,575	-0.5	-0.9	-3.8	231,378	214,255	234,271	237,972	-2.8	445,633	449,386
Manufacturing industries with unfilled orders	129,272	129,281	130,473	0.0	-0.9	-2.1	127,755	115,995	133,076	132,713	-3.7	243,750	249,109
Durable goods industries	117,616	117,648	118,578	0.0	-0.8	-3.4	116,753	104,622	119,684	125,142	-6.7	221,375	230,472
With unfilled orders	100,589	100,732	101,842	-0.1	-1.1	-2.0	99,280	89,166	105,017	103,806	-4.4	188,446	193,196
Stone, clay, and glass products	4,561	4,610	4,832	-1.1	-4.6	-3.0	4,285	4,033	4,197	5,105	-16.1	8,318	9,796
Primary metals	10,580	11,140	11,485	-5.0	-3.0	-2.3	10,683	10,617	10,578	12,035	-11.2	21,300	23,405
Blast furnaces, steel mills	4,261	4,623	4,568	-7.8	+1.2	-7.0	4,287	4,499	4,198	4,896	-12.4	8,786	9,585
Iron and steel foundries	827	867	775	-4.6	+11.9	-15.2	822	782	647	916	-10.3	1,604	1,740
Nonferrous and other primary metals	5,492	5,650	6,142	-2.8	-8.0	+3.6	5,574	5,336	5,733	6,223	-10.4	10,910	12,080
Fabricated metal products	14,666	14,846	15,606	-1.2	-4.9	+1.9	14,796	13,350	14,304	15,701	-5.8	28,146	29,174
Industrial machinery and equipment	20,949	21,006	21,876	-0.3	-4.0	-1.6	20,305	17,830	23,834	21,344	-4.9	38,135	40,106
Engines and turbines	1,281	1,364	1,408	-6.1	-3.1	+0.1	1,215	1,101	1,841	1,316	-7.7	2,316	2,479
Farm and garden machinery	1,346	1,326	1,539	+1.5	-13.8	-4.4	1,424	1,145	1,488	1,525	-6.6	2,569	2,788
Construction, mining and material handling equipment	2,875	2,891	2,783	-0.6	+3.9	-11.5	2,887	2,586	2,617	2,861	+0.9	5,473	5,369
Metalworking machinery	1,756	1,638	2,140	+7.2	-23.5	+11.7	1,793	1,399	2,135	1,972	-9.1	3,192	3,710
Computer and office equipment	5,844	5,969	5,983	-2.1	-0.2	+1.0	5,067	4,377	8,336	5,169	-2.0	9,444	9,572
Electronic and other electrical equipment	16,503	16,599	16,550	-0.6	+0.3	-1.9	16,422	14,758	16,925	16,781	-2.1	31,180	31,394
Electrical transmission and distribution equipment and industrial apparatus	2,233	2,254	2,180	-0.9	+3.4	-6.3	2,323	2,031	2,135	2,497	-7.0	4,354	4,620
Household appliances	1,461	1,496	1,571	-2.3	-4.8	+1.6	1,420	1,344	1,429	1,555	-8.7	2,764	2,944
Electric lighting and wiring equipment	1,293	1,263	1,314	+2.4	-3.9	+4.0	1,325	1,133	1,382	1,345	-1.5	2,458	2,401
Household audio and video equipment	767	817	847	-6.1	-3.5	+0.2	685	687	817	711	-3.7	1,372	1,33
Communications equipment	4,015	4,251	3,861	-5.6	+10.1	-1.9	3,858	3,536	4,639	4,056	-4.9	7,394	7,27
Electronic components	5,212	4,991	5,148	+4.4	-3.0	-2.4	5,306	4,661	4,921	5,167	+2.7	9,967	9,94
Transportation equipment	29,008	28,106	26,751	+3.2	+5.1	-9.1	29,483	25,107	28,476	32,108	-8.2	54,590	54,50
Motor vehicles and parts	15,760	16,070	13,515	-1.9	+18.9	-20.0	16,983	15,467	11,784	20,275	-16.2	32,450	33,34
Aircraft, missiles, space vehicles, and parts	11,493	10,262	11,390	+12.0	-9.9	+6.4	10,765	8,045	14,710	9,956	+8.1	18,810	17,60
Shipbuilding and tanks	945	1,029	918	-8.2	+12.1	-1.3	930	887	1,168	881	+5.6	1,817	1,64
Instruments and related products	9,834	9,845	9,803	-0.1	+0.4	-4.1	9,460	8,714	10,810	9,650	-2.0	18,174	18,52
Search and navigation equipment	2,803	2,862	3,068	-2.1	-6.7	-0.1	2,581	2,296	3,874	2,926	-11.8	4,877	5,44
Measuring and controlling devices	2,331	2,277	2,279	+2.4	-0.1	-2.7	2,266	2,151	2,336	2,383	-4.9	4,417	4,74
Medical instruments and supplies	2,491	2,501	2,298	-0.4	+8.8	-7.2	2,506	2,371	2,366	2,259	+10.9	4,877	4,36
Photographic goods	1,938	1,951	1,876	-0.7	+4.0	-8.9	1,826	1,679	1,979	1,818	+0.4	3,505	3,47
All other durable goods	11,515	11,496	11,675	+0.2	-1.5	-1.8	11,319	10,213	10,560	12,418	-8.9	21,532	23,56
Nondurable goods industries	115,829	116,900	117,997	-0.9	-0.9	-4.2	114,625	109,633	114,587	112,830	+1.6	224,258	218,91
With unfilled orders	28,683	28,549	28,631	+0.5	-0.3	-2.7	28,475	26,829	28,059	28,907	-1.5	55,304	55,91
Food and kindred products	32,897	32,111	33,660	+2.4	-4.6	-0.2	32,591	29,912	33,005	32,193	+1.2	62,503	61,98
Meat products	8,014	8,041	8,224	-0.3	-2.2	-0.5	7,854	7,498	8,200	7,701	+2.0	15,352	14,84
Dairy products	4,315	4,400	4,483	-1.9	-1.9	-1.6	4,233	4,160	4,322	4,551	-7.0	8,393	8,86
Beverages	4,330	4,193	4,820	+3.3	-13.0	+6.6	3,927	3,691	4,238	4,015	-2.2	7,618	7,84
All other foods, except fats and oils	14,748	14,112	14,583	+4.5	-3.2	-1.3	15,087	13,198	14,695	14,428	+4.6	28,285	27,47
Tobacco products	2,259	2,465	1,844	-8.4	+33.7	-34.0	1,825	1,548	2,346	1,829	-0.2	3,373	3,24
Textile mill products	4,871	4,889	4,995	-0.4	-2.1	-3.7	4,827	4,267	4,655	5,449	-11.4	9,094	10,26
Broadwoven fabrics and other textiles	2,915	2,965	2,958	-1.7	+0.2	-5.2	2,912	2,630	2,851	3,325	-12.4	5,542	6,31
Paper and allied products	10,190	10,216	10,467	-0.3	-2.4	-2.7	10,315	10,030	10,093	10,808	-4.6	20,345	21,19
Pulp, paper, and paperboard mill products	4,411	4,484	4,585	-1.6	-2.2	-1.9	4,526	4,444	4,529	4,745	-4.6	8,970	9,27
Paperboard containers and boxes	2,280	2,347	2,376	-2.9	-1.2	-4.4	2,269	2,261	2,211	2,463	-7.9	4,530	4,85
Miscellaneous converted paper products	3,499	3,385	3,506	+3.4	-3.5	-2.6	3,520	3,325	3,353	3,600	-2.2	6,845	7,07
Chemicals and allied products	23,902	24,195	23,902	-1.2	+1.2	-4.3	24,189	23,701	23,031	23,190	+4.3	47,890	45,32
Industrial chemicals	12,786	13,460	12,988	-5.0	+3.6	-4.8	13,118	12,992	12,492	13,053	+0.5	26,110	24,98
Drugs, soaps, and toiletries	8,572	8,303	8,280	+3.2	+0.3	-4.1	8,641	8,379	8,244	7,776	+11.1	17,020	15,52
Petroleum and coal products	14,191	15,464	15,874	-8.2	-2.6	-11.6	13,414	14,935	16,080	12,571	+6.7	28,349	25,83
Rubber and plastics products	7,396	7,476	7,384	-1.1	+1.2	-2.7	7,471	6,953	6,684	7,494	-0.3	14,424	14,24
All other nondurable goods	20,123	20,084	19,871	+0.2	+1.1	-1.5	19,993	18,287	18,693	19,296	+3.6	38,280	36,82

[p] Preliminary. [r] Revised.

[1] Shipments and new orders are the totals for the period and are adjusted for trading-day and calendar-month variations.

Table 2. VALUE OF MANUFACTURERS' NEW ORDERS FOR INDUSTRY GROUPS
(Millions of dollars)

Industry	Seasonally adjusted						Not seasonally adjusted[1]						
	Monthly			Percent Change			Monthly				Percent change Feb. 91/90	Year to date	
	Feb. 1991[p]	Jan. 1991[r]	Dec. 1990[r]	Jan.-Feb.	Dec.-Jan.	Nov.-Dec.	Feb. 1991[p]	Jan. 1991[r]	Dec. 1990[r]	Feb. 1990[r]		1991[p]	1990[r]
All manufacturing industries	233,215	234,462	238,196	-0.5	-1.6	-0.4	233,897	217,443	237,406	238,237	-1.8	451,340	455,907
Manufacturing industries with unfilled orders	129,042	129,195	132,094	-0.1	-2.2	+4.3	130,274	119,183	136,211	132,978	-2.0	249,457	255,630
Durable goods industries	117,464	117,789	120,221	-0.3	-2.0	+3.5	118,902	107,749	123,043	125,172	-5.0	226,651	236,584
With unfilled orders	100,437	100,873	103,485	-0.4	-2.5	+6.3	101,429	92,293	108,376	103,836	-2.3	193,722	199,308
Stone, clay, and glass products	4,599	4,501	4,861	+2.2	-7.4	+3.4	4,533	3,970	4,170	5,201	-12.8	8,503	9,853
Primary metals	9,609	9,506	10,459	+1.1	-9.1	-6.5	10,286	9,944	10,457	12,374	-16.9	20,230	24,808
Blast furnaces, steel mills	3,719	3,555	3,786	+4.6	-6.1	-9.9	4,088	4,085	4,014	5,217	-21.6	8,173	10,698
Iron and steel foundries	794	736	747	+7.9	-1.5	-17.7	821	765	562	950	-13.6	1,586	1,859
Nonferrous and other primary metals	5,096	5,215	5,926	-2.3	-12.0	-2.5	5,377	5,094	5,881	6,207	-13.4	10,471	12,251
Fabricated metal products	14,338	15,196	15,532	-5.6	-2.2	+4.4	14,466	13,887	14,444	15,518	-6.8	28,353	29,306
Industrial machinery and equipment	19,916	21,785	20,492	-8.6	+6.3	-6.8	19,193	19,242	22,266	21,588	-11.1	38,435	41,382
Engines and turbines	1,280	1,636	1,146	-21.8	+42.8	-17.5	1,122	1,359	1,500	1,492	-24.8	2,481	2,880
Construction, mining and material handling equipment	2,413	3,260	2,416	-26.0	+34.9	-20.7	2,323	3,035	2,491	2,765	-16.0	5,358	5,591
Metalworking machinery	1,592	1,594	2,217	-0.1	-28.1	+21.5	1,629	1,355	2,212	1,897	-14.1	2,984	3,619
Computer and office equipment	5,668	6,218	5,394	-8.8	+15.3	-7.4	4,998	4,718	7,286	5,271	-5.2	9,716	9,612
Electronic and other electrical equipment	18,002	16,243	17,622	+10.8	-7.8	+10.5	18,378	14,652	17,970	17,073	+7.6	33,030	32,408
Electrical transmission and distribution equipment and industrial apparatus	2,270	2,423	2,306	-6.3	+5.1	+13.9	2,428	2,262	2,263	2,533	-4.1	4,690	4,973
Electric lighting and wiring equipment	1,362	1,387	1,322	-1.8	+4.9	+6.7	1,394	1,257	1,390	1,391	+0.2	2,651	2,461
Communications equipment	4,433	3,648	5,145	+21.5	-29.1	+52.3	4,295	2,996	5,923	3,885	+10.6	7,291	7,041
Electronic components	5,924	4,821	5,010	+22.9	-3.8	-5.1	6,285	4,510	4,817	5,292	+18.8	10,795	10,214
Transportation equipment	29,806	29,837	31,788	-0.1	-6.1	+18.2	30,853	27,459	33,906	31,892	-3.3	58,312	56,934
Aircraft, missiles, space vehicles, and parts	12,790	11,235	15,679	+13.8	-28.3	+72.6	12,653	9,496	19,512	9,194	+37.6	22,149	19,568
Shipbuilding and tanks	600	1,577	1,808	-62.0	-12.8	+291.3	537	1,448	1,753	1,644	-67.3	1,985	2,218
Instruments and related products	9,933	9,628	8,027	+3.2	+19.9	-5.5	9,816	8,299	9,821	9,049	+8.5	18,115	17,939
Search and navigation equipment	3,007	2,532	1,552	+18.8	+63.1	+5.3	3,061	1,712	3,170	2,223	+37.7	4,773	4,519
Measuring and controlling devices	2,363	2,346	2,244	+0.7	+4.5	-2.5	2,298	2,220	2,301	2,408	-4.6	4,518	4,765
Medical instruments and supplies	2,374	2,554	2,138	-7.0	+19.5	-9.1	2,389	2,424	2,206	2,357	+1.4	4,813	4,700
All other durable goods	11,261	11,093	11,440	+1.5	-3.0	-5.4	11,377	10,296	10,009	12,477	-8.8	21,673	23,954
Nondurable goods industries	115,751	116,673	117,975	-0.8	-1.1	-4.1	114,995	109,694	114,363	113,065	+1.7	224,689	219,323
With unfilled orders	28,605	28,322	28,609	+1.0	-1.0	-2.5	28,845	26,890	27,835	29,142	-1.0	55,735	56,322

[p] Preliminary. [r] Revised.

[1] Shipments and new orders are the totals for the period and are adjusted for trading-day and calendar-month variations.

Table 3. VALUE OF MANUFACTURERS' UNFILLED ORDERS FOR INDUSTRY GROUPS
(Millions of dollars)

Industry	Seasonally adjusted						Not seasonally adjusted				
	Monthly			Percent Change			Monthly				Percent change
	Feb. 1991[p]	Jan. 1991[r]	Dec. 1990[r]	Jan.-Feb.	Dec.-Jan.	Nov.-Dec.	Feb. 1991[p]	Jan. 1991[r]	Dec. 1990[r]	Feb. 1990[r]	Feb. 91/90
All manufacturing industries	526,879	527,109	527,195	0.0	0.0	+0.3	529,779	527,260	524,072	524,343	+1.0
Durable goods industries	506,364	506,516	506,375	0.0	0.0	+0.3	509,407	507,258	504,131	503,392	+1.2
Stone, clay, and glass products	5,146	5,108	5,217	+0.7	-2.1	+0.6	5,269	5,021	5,084	5,221	+.9
Primary metals	20,517	21,488	23,122	-4.5	-7.1	-4.2	21,289	21,686	22,359	24,559	-13.3
Blast furnaces, steel mills	6,968	7,510	8,578	-7.2	-12.5	-8.4	7,651	7,850	8,264	10,097	-24.2
Iron and steel foundries	2,964	2,997	3,128	-1.1	-4.2	-0.9	3,000	3,001	3,018	2,714	+10.5
Nonferrous and other primary metals	10,585	10,981	11,416	-3.6	-3.8	-1.9	10,638	10,835	11,077	11,748	-9.4
Fabricated metal products	27,433	27,761	27,411	-1.2	+1.3	-0.3	27,467	27,797	27,260	28,458	-3.5
Industrial machinery and equipment	56,931	57,964	57,185	-1.8	+1.4	-2.4	57,225	58,337	56,925	60,331	-5.1
Engines and turbines	7,953	7,954	7,682	0.0	+3.5	-3.3	8,063	8,156	7,898	7,096	+13.6
Construction, mining and material handling equipment	7,952	8,414	8,045	-5.5	+4.6	-4.4	7,976	8,540	8,091	8,770	-9.1
Metalworking machinery	6,846	7,010	7,054	-2.3	-0.6	+1.1	6,846	7,010	7,054	7,613	-10.1
Computer and office equipment	12,087	12,263	12,014	-1.4	+2.1	-4.7	11,990	12,059	11,718	12,264	-2.2
Electronic and other electrical equipment	50,328	48,829	49,185	+3.1	-0.7	+2.2	50,493	48,537	48,643	48,826	+3.4
Electrical transmission and distribution equipment and industrial apparatus	6,842	6,805	6,636	+0.5	+2.5	+1.9	6,916	6,811	6,580	6,881	+.5
Electric lighting and wiring equipment	2,260	2,191	2,067	+3.1	+6.0	+0.4	2,260	2,191	2,067	2,047	+10.4
Communications equipment	22,217	21,799	22,402	+1.9	-2.7	+6.1	22,300	21,863	22,403	21,101	+5.7
Electronic components	14,591	13,879	14,049	+5.1	-1.2	-1.0	14,533	13,554	13,705	14,510	+.2
Transportation equipment	280,031	279,233	277,502	+0.3	+0.6	+1.8	281,230	279,860	277,508	263,656	+6.7
Aircraft, missiles, space vehicles, and parts	243,688	242,391	241,418	+0.5	+0.4	+1.8	244,997	243,109	241,658	225,587	+8.6
Shipbuilding and tanks	27,217	27,562	27,014	-1.3	+2.0	+3.4	26,940	27,333	26,772	27,703	-2.8
Instruments and related products	59,192	59,093	59,310	+0.2	-0.4	-2.9	59,986	59,630	60,045	65,464	-8.4
Search and navigation equipment	41,913	41,709	42,039	+0.5	-0.8	-3.5	42,754	42,274	42,858	47,682	-10.3
Measuring and controlling devices	8,237	8,205	8,136	+0.4	+0.8	-0.4	8,237	8,205	8,136	8,431	-2.3
Medical instruments and supplies	7,997	8,114	8,061	-1.4	+0.7	-1.9	7,997	8,114	8,061	8,270	-3.3
All other durable goods	6,786	7,040	7,443	-3.6	-5.4	-3.1	6,448	6,390	6,307	6,877	-6.2
Nondurable goods industries	20,515	20,593	20,820	-0.4	-1.1	-0.1	20,372	20,002	19,941	20,951	-2.8

[p] Preliminary. [r] Revised.

Table 4. VALUE OF MANUFACTURERS' INVENTORIES FOR INDUSTRY GROUPS
(Millions of dollars)

Industry	Seasonally adjusted						Not seasonally adjusted				
	Monthly			Percent Change			Monthly				Percent change
	Feb. 1991[p]	Jan. 1991[r]	Dec. 1990[r]	Jan.-Feb.	Dec.-Jan.	Nov.-Dec.	Feb. 1991[p]	Jan. 1991[r]	Dec. 1990[r]	Feb. 1990[r]	Feb. 91/90
All manufacturing industries	388,475	388,381	388,811	0.0	-0.1	-0.9	390,584	387,733	382,135	388,164	+.6
Manufacturing industries with unfilled orders	267,374	267,238	267,347	+0.1	0.0	-1.3	268,017	265,179	261,084	269,528	-.6
Durable goods industries	252,360	252,170	252,836	+0.1	-0.3	-1.4	253,851	251,035	247,615	255,797	-.8
With unfilled orders	233,075	233,058	233,511	0.0	-0.2	-1.5	233,818	231,459	228,280	236,243	-1.0
Stone, clay, and glass products	8,303	8,223	8,157	+1.0	+0.8	+1.0	8,462	8,181	8,018	7,893	+7.2
Primary metals	23,192	23,257	23,651	-0.3	-1.7	+0.5	23,274	23,450	23,542	22,769	+2.2
Blast furnaces, steel mills	11,350	11,400	11,658	-0.4	-2.2	+2.4	11,271	11,564	11,772	11,089	+1.6
Iron and steel foundries	1,428	1,445	1,439	-1.2	+0.4	+0.3	1,474	1,465	1,408	1,429	+3.1
Nonferrous and other primary metals	10,414	10,412	10,554	0.0	-1.3	-1.6	10,529	10,421	10,362	10,251	+2.7
Fabricated metal products	24,673	24,519	24,585	+0.6	-0.3	-1.1	24,791	24,553	24,190	25,265	-1.9
Industrial machinery and equipment	48,199	47,977	47,724	+0.5	+0.5	-1.6	48,646	47,809	46,726	49,295	-1.3
Engines and turbines	3,861	3,807	3,726	+1.4	+2.2	+0.9	3,705	3,535	3,362	3,301	+12.2
Farm and garden machinery	2,517	2,491	2,502	+1.0	-0.4	-4.5	2,663	2,575	2,521	2,631	+1.2
Construction, mining and material handling equipment	6,889	6,861	6,745	+0.4	+1.7	+1.4	7,013	6,929	6,667	6,715	+4.4
Metalworking machinery	4,976	4,988	4,996	-0.2	-0.2	-3.0	4,991	4,953	4,875	5,092	-2.0
Computer and office equipment	11,045	11,025	10,854	+0.2	+1.6	-5.1	11,111	10,860	10,677	11,963	-7.1
Electronic and other electrical equipment	29,692	29,947	30,067	-0.9	-0.4	-1.7	29,703	29,578	29,347	31,148	-4.6
Electrical transmission and distribution equipment and industrial apparatus	4,317	4,292	4,523	+0.6	-5.1	-2.8	4,352	4,265	4,463	4,754	-8.5
Household appliances	2,445	2,492	2,529	-1.9	-1.5	-5.2	2,511	2,450	2,380	2,982	-15.8
Electric lighting and wiring equipment	3,398	3,358	3,369	+1.2	-0.3	-0.2	3,350	3,269	3,213	3,364	-.4
Household audio and video equipment	1,084	1,100	1,112	-1.5	-1.1	-2.5	1,060	1,052	1,039	1,228	-13.7
Communications equipment	5,602	5,627	5,520	-0.4	+1.9	-3.6	5,590	5,560	5,452	6,169	-9.4
Electronic components	9,115	9,327	9,322	-2.3	+0.1	-0.1	9,079	9,251	9,196	8,955	+1.4
Transportation equipment	73,594	73,486	73,424	+0.1	+0.1	-1.9	73,965	72,936	71,578	72,966	+1.4
Motor vehicles and parts	13,267	13,085	13,039	+1.4	+0.4	+2.3	13,710	13,587	12,967	12,578	+9.0
Aircraft, missiles, space vehicles, and parts	56,030	56,156	56,139	-0.2	0.0	-3.0	55,953	55,187	54,494	55,592	+.6
Shipbuilding and tanks	2,084	2,065	2,129	+0.9	-3.0	+4.3	2,044	1,994	2,009	2,313	-11.6
Instruments and related products	23,920	23,975	24,273	-0.2	-1.2	-2.2	24,002	23,622	23,480	25,347	-5.3
Search and navigation equipment	9,028	9,028	9,195	0.0	-1.8	-3.2	9,120	8,834	8,797	9,928	-8.1
Measuring and controlling devices	6,257	6,304	6,351	-0.7	-0.7	-1.9	6,244	6,274	6,238	6,662	-6.3
Medical instruments and supplies	5,285	5,303	5,337	-0.3	-0.6	-1.7	5,317	5,257	5,218	5,092	+4.4
Photographic goods	2,721	2,705	2,737	+0.6	-1.2	-1.3	2,697	2,636	2,596	2,979	-9.5
All other durable goods	20,787	20,786	20,955	0.0	-0.8	-1.0	21,008	20,906	20,734	21,114	-.5
Nondurable goods industries	136,115	136,211	135,975	-0.1	+0.2	0.0	136,733	136,698	134,520	132,367	+3.3
With unfilled orders	34,299	34,180	33,836	+0.3	+1.0	0.0	34,199	33,720	32,804	33,285	+2.7
Food and kindred products	28,130	28,091	27,784	+0.1	+1.1	-0.9	28,345	28,601	28,235	27,064	+4.7
Meat products	3,025	2,994	3,016	+1.0	-0.7	-1.2	3,104	2,987	2,906	2,807	+10.6
Dairy products	2,456	2,430	2,486	+1.1	-2.3	-2.9	2,456	2,408	2,416	2,253	+9.0
Beverages	4,650	4,674	4,600	-0.5	+1.6	-1.0	4,743	4,701	4,567	4,753	-.2
All other foods, except fats and oils	16,483	16,499	16,309	-0.1	+1.2	+0.2	16,417	16,894	16,870	15,947	+2.9
Tobacco products	5,733	5,642	5,375	+1.6	+5.0	+2.9	6,077	6,075	5,607	5,727	+6.1
Textile mill products	8,871	8,892	8,846	-0.2	+0.5	-1.0	8,923	8,808	8,462	9,160	-2.6
Broadwoven fabrics and other textiles	5,244	5,202	5,170	+0.8	+0.6	-1.4	5,302	5,192	5,000	5,405	-1.9
Paper and allied products	13,688	13,547	13,362	+1.0	+1.4	+0.9	13,816	13,636	13,319	13,286	+4.0
Pulp, paper, and paperboard mill products	5,528	5,444	5,447	+1.5	-0.1	+1.1	5,666	5,561	5,454	5,257	+7.8
Paperboard containers and boxes	3,353	3,279	3,261	+2.3	+0.6	+2.8	3,319	3,299	3,277	3,312	+.2
Miscellaneous converted paper products	4,807	4,824	4,654	-0.4	+3.7	-0.7	4,831	4,776	4,588	4,717	+2.4
Chemicals and allied products	32,760	32,651	32,366	+0.3	+0.9	+0.6	33,107	32,845	32,118	31,123	+6.4
Industrial chemicals	16,834	16,802	16,773	+0.2	+0.2	+1.6	17,053	17,060	16,712	16,158	+5.5
Drugs, soaps, and toiletries	11,071	11,012	10,871	+0.5	+1.3	-0.1	10,916	10,817	10,641	10,253	+6.5
Petroleum and coal products	11,821	12,279	13,175	-3.7	-6.8	-1.0	11,771	12,218	12,822	11,434	+2.9
Rubber and plastics products	12,008	12,054	11,995	-0.4	+0.5	+0.5	12,093	12,106	11,886	11,436	+5.7
All other nondurable goods	23,104	23,055	23,072	+0.2	-0.1	-0.2	22,601	22,409	22,071	23,137	-2.3

[p] Preliminary. [r] Revised.

Table 5. VALUE OF MANUFACTURERS' SHIPMENTS AND NEW ORDERS FOR TOPICAL SERIES[1]
(Millions of dollars)

Industry	Seasonally adjusted						Not seasonally adjusted [2]						
	Monthly			Percent Change			Monthly				Percent change	Year to date	
	Feb. 1991[p]	Jan. 1991[r]	Dec. 1990[r]	Jan.-Feb.	Dec.-Jan.	Nov.-Dec.	Feb. 1991[p]	Jan. 1991[r]	Dec. 1990[r]	Feb. 1990[r]	Feb. 91/90	1991[p]	1990[r]
SHIPMENTS													
All manufacturing industries	233,445	234,548	236,575	-0.5	-0.9	-3.8	231,378	214,255	234,271	237,972	-2.8	445,633	449,386
Market categories :													
Automotive equipment	7,052	7,090	6,426	-0.5	+10.3	-17.1	7,523	6,717	5,607	9,273	-18.9	14,240	15,485
Home goods and apparel	13,774	14,039	14,444	-1.9	-2.8	+0.9	13,949	12,128	12,364	14,559	-4.2	26,077	26,790
Consumer staples	55,662	55,652	56,705	0.0	-1.9	-4.4	54,438	51,983	56,711	52,356	+4.0	106,421	102,158
Machinery and equipment	38,271	38,105	38,310	+0.4	-0.5	-2.4	37,297	32,560	42,284	39,188	-4.8	69,857	70,972
Business supplies	19,663	19,746	19,730	-0.4	+0.1	-4.5	19,384	18,769	19,469	18,807	+3.1	38,153	36,827
Construction materials and supplies	12,772	12,941	13,348	-1.3	-3.0	-1.1	12,217	11,390	12,113	14,092	-13.3	23,607	26,689
Defense products	8,578	8,367	8,742	+2.5	-4.3	-2.2	8,151	6,927	10,661	8,086	+0.8	15,078	15,283
Other materials, supplies and and intermediate products	77,673	78,608	78,870	-1.2	-0.3	-3.9	78,419	73,781	75,062	81,611	-3.9	152,200	155,182
Durable goods industries :													
Nondefense capital goods [3]	32,220	31,721	32,722	+1.6	-3.1	+1.9	30,936	26,401	37,629	31,524	-1.9	57,337	57,783
Excluding aircraft and parts	25,575	25,918	26,335	-1.3	-1.6	-0.5	24,688	21,834	29,410	25,929	-4.8	46,522	48,361
Defense capital goods [4]	8,542	8,202	8,801	+4.1	-6.8	-2.7	7,974	6,648	11,247	7,852	+1.6	14,622	14,876
Durables excluding capital goods	76,854	77,725	77,055	-1.1	+0.9	-5.5	77,843	71,573	70,808	85,766	-9.2	149,416	157,813
Miscellaneous series :													
Producers' durable equipment	73,722	74,682	73,243	-1.3	+2.0	-4.6	73,977	66,229	74,424	79,801	-7.3	140,206	143,921
Household durable goods	6,275	6,383	6,658	-1.7	-4.1	+2.2	6,284	5,460	6,093	6,548	-4.0	11,744	12,012
Information technology industries	14,293	14,602	14,289	-2.1	+2.2	-0.6	13,215	11,813	17,526	13,725	-3.7	25,028	25,521
Health care equipment and products	7,133	7,002	6,784	+1.9	+3.2	-5.2	7,186	6,909	6,827	6,483	+10.8	14,095	12,788
NEW ORDERS													
All manufacturing industries	233,215	234,462	238,196	-0.5	-1.6	-0.4	233,897	217,443	237,406	238,237	-1.8	451,340	455,907
Market categories :													
Automotive equipment	7,056	7,121	6,375	-0.9	+11.7	-17.1	7,537	6,771	5,586	9,269	-18.7	14,308	15,510
Home goods and apparel	13,405	13,428	14,241	-0.2	-5.7	-3.2	14,137	12,532	11,836	14,881	-5.0	26,669	27,953
Consumer staples	55,656	55,660	56,664	0.0	-1.8	-4.5	54,412	51,975	56,727	52,314	+4.0	106,387	102,059
Machinery and equipment	39,296	39,949	44,161	-1.6	-9.5	+15.2	38,395	34,905	47,754	38,456	-0.2	73,300	74,110
Business supplies	19,628	19,861	19,656	-1.2	+1.0	-4.7	19,389	18,917	19,337	18,774	+3.3	38,306	36,850
Construction materials and supplies	12,624	12,830	13,204	-1.6	-2.8	+0.5	12,209	11,394	12,144	13,972	-12.6	23,603	26,746
Defense products	7,869	7,868	6,894	0.0	+14.1	+36.2	8,195	6,515	10,527	8,033	+2.0	14,710	14,730
Other materials, supplies and and intermediate products	77,681	77,745	77,001	-0.1	+1.0	-4.2	79,623	74,434	73,495	82,538	-3.5	154,057	157,949
Durable goods industries :													
Nondefense capital goods [3]	33,707	33,957	38,560	-0.7	-11.9	+24.9	32,405	29,278	42,992	31,053	+4.4	61,683	61,376
Excluding aircraft and parts	25,419	26,446	26,333	-3.9	+0.4	+4.8	24,514	23,003	28,933	25,993	-5.7	47,517	49,584
Defense capital goods [4]	7,874	7,683	6,844	+2.5	+12.3	+35.7	8,192	6,416	10,615	7,784	+5.2	14,608	14,178
Durables excluding capital goods	75,883	76,149	74,817	-0.3	+1.8	-6.8	78,305	72,055	69,436	86,335	-9.3	150,360	161,030
Miscellaneous series :													
Producers' durable equipment	73,794	76,840	78,418	-4.0	-2.0	+3.9	74,449	69,856	79,225	78,523	-5.2	144,305	148,020
Household durable goods	6,116	5,932	6,397	+3.1	-7.3	-5.3	6,412	5,793	5,667	6,612	-3.0	12,205	12,755
Information technology industries	14,859	14,387	14,534	+3.3	-1.0	+6.7	13,877	11,713	17,295	13,451	+3.2	25,590	24,878
Health care equipment and products	7,014	7,054	6,625	-0.6	+6.5	-5.7	7,068	6,959	6,666	6,582	+7.4	14,027	13,123

[p] Preliminary. [r] Revised.

[1] Topical series are regroupings of the separate industry categories.

[2] Shipments and new orders are the totals for the period and are adjusted for trading-day and calendar-month variations.

[3] Nondefense capital goods industries include : ordnance and accessories; steam, gas and hydraulic turbines; internal combustion engines; construction, mining, and material handling equipment metalworking machinery; special industry machinery; general industrial machinery; computer and office equipment; refrigeration, heating and service industry machinery; electrical transmission and distribution equipment; electrical industrial apparatus; communications equipment; aircraft, missiles, space vehicles, and engines and parts; ships and tank components; railroad equipment; and search and navigation equipment.

[4] Defense capital goods industries include : ordnance and accessories; communications equipment; aircraft, missiles, space vehicles, and engines and parts; ships, tanks and tank components; and search and navigation equipment.

Table 6. VALUE OF MANUFACTURERS' UNFILLED ORDERS AND TOTAL INVENTORIES FOR TOPICAL SERIES[1]
(Millions of dollars)

Industry	Seasonally adjusted						Not seasonally adjusted				
	Monthly			Percent Change			Monthly				Percent change
	Feb. 1991[p]	Jan. 1991[r]	Dec. 1990[r]	Jan.-Feb.	Dec.-Jan.	Nov.-Dec.	Feb. 1991[p]	Jan. 1991[r]	Dec. 1990[r]	Feb. 1990[r]	Feb. 91/90
UNFILLED ORDERS											
All manufacturing industries	526,879	527,109	527,195	0.0	0.0	+0.3	529,779	527,260	524,072	524,343	+1.0
arket categories :											
Automotive equipment	1,879	1,875	1,843	+0.2	+1.7	-2.7	1,904	1,891	1,837	2,044	-6.8
Home goods and apparel	7,606	7,975	8,586	-4.6	-7.1	-2.3	7,584	7,397	6,993	7,928	-4.3
Consumer staples	1,285	1,291	1,283	-0.5	+0.6	-3.1	1,288	1,315	1,322	1,362	-5.4
Machinery and equipment	231,887	230,861	229,017	+0.4	+0.8	+2.6	231,771	230,673	228,329	208,758	+11.0
Business supplies	6,062	6,097	5,982	-0.6	+1.9	-1.2	6,031	6,026	5,878	5,886	+2.5
Construction materials and supplies	12,291	12,439	12,550	-1.2	-0.9	-1.1	12,400	12,409	12,405	12,924	-4.1
Defense products	140,953	141,661	142,161	-0.5	-0.4	-1.3	143,310	143,267	143,679	155,868	-8.1
Other materials, supplies and and intermediate products	124,916	124,910	125,773	0.0	-0.7	-1.5	125,491	124,282	123,629	129,573	-3.2
urable goods industries :											
Nondefense capital goods [3]	254,033	252,546	250,310	+0.6	+0.9	+2.4	254,190	252,721	249,844	229,720	+10.7
Excluding aircraft and parts	88,204	88,360	87,832	-0.2	+0.6	0.0	88,361	88,535	87,366	90,885	-2.8
Defense capital goods [4]	150,529	151,197	151,716	-0.4	-0.3	-1.3	152,762	152,544	152,776	165,592	-7.7
Durables excluding capital goods	101,802	102,773	104,349	-0.9	-1.5	-2.1	102,455	101,993	101,511	108,080	-5.2
iscellaneous series :											
Producers' durable equipment	259,511	259,439	257,281	0.0	+0.8	+2.1	259,539	259,067	255,440	240,529	+7.9
Household durable goods	4,593	4,752	5,203	-3.3	-8.7	-4.8	4,559	4,431	4,098	5,303	-14.0
Information technology industries	42,963	42,397	42,612	+1.3	-0.5	+0.6	42,840	42,178	42,278	42,477	+.9
Health care equipment and products	8,026	8,144	8,093	-1.4	+0.6	-1.9	8,024	8,142	8,092	8,300	-3.3
TOTAL INVENTORIES											
All manufacturing industries	388,475	388,381	388,811	0.0	-0.1	-0.9	390,584	387,733	382,135	388,164	+.6
arket categories :											
Automotive equipment	6,721	6,660	6,698	+0.9	-0.6	+1.4	6,971	6,797	6,616	6,743	+3.4
Home goods and apparel	26,238	26,280	26,567	-0.2	-1.1	-1.0	26,070	26,009	25,620	28,316	-7.9
Consumer staples	54,490	54,616	54,407	-0.2	+0.4	-0.3	54,760	55,109	54,368	52,264	+4.8
Machinery and equipment	87,568	87,645	87,135	-0.1	+0.6	-0.9	88,464	86,960	84,887	88,046	+.5
Business supplies	22,477	22,531	22,556	-0.2	-0.1	-0.5	22,433	22,138	21,831	21,956	+2.2
Construction materials and supplies	23,966	23,865	23,957	+0.4	-0.4	-0.3	24,195	23,895	23,527	23,737	+1.9
Defense products	35,436	35,159	36,127	+0.8	-2.7	-5.5	35,204	34,494	35,082	37,819	-6.9
Other materials, supplies and and intermediate products	131,579	131,625	131,364	0.0	+0.2	-0.1	132,487	132,331	130,204	129,283	+2.5
urable goods industries :											
Nondefense capital goods [3]	83,850	84,132	83,334	-0.3	+1.0	-1.0	84,460	83,321	81,182	84,409	+.1
Excluding aircraft and parts	56,280	56,184	56,064	+0.2	+0.2	-1.7	56,576	55,648	54,565	58,876	-3.9
Defense capital goods [4]	37,987	37,724	38,617	+0.7	-2.3	-5.2	37,666	36,875	37,354	40,373	-6.7
Durables excluding capital goods	130,523	130,314	130,885	+0.2	-0.4	-0.4	131,725	130,839	129,079	131,015	+.5
iscellaneous series :											
Producers' durable equipment	142,592	142,311	142,403	+0.2	-0.1	-1.0	144,061	142,021	139,316	145,542	-1.0
Household durable goods	12,785	12,807	12,901	-0.2	-0.7	-2.0	12,819	12,700	12,396	13,618	-5.9
Information technology industries	27,859	27,953	27,787	-0.3	+0.6	-3.4	27,875	27,523	27,109	30,230	-7.8
Health care equipment and products	11,324	11,313	11,273	+0.1	+0.4	-0.9	11,274	11,163	11,030	10,689	+5.5

See footnotes at end of table 5.

Table 7. VALUE OF MANUFACTURERS' INVENTORIES, BY STAGE OF FABRICATION, BY INDUSTRY GROUP
(Millions of dollars)

Industry	Seasonally adjusted						Not seasonally adjusted				
	Monthly			Percent Change			Monthly				Percent change
	Feb. 1991[p]	Jan. 1991[r]	Dec. 1990[r]	Jan.-Feb.	Dec.-Jan.	Nov.-Dec.	Feb. 1991[p]	Jan. 1991[r]	Dec. 1990[r]	Feb. 1990[r]	Feb. 91/90
MATERIALS AND SUPPLIES											
All manufacturing industries	120,964	121,242	120,901	-0.2	+0.3	-0.1	121,444	122,376	121,417	119,832	+1.3
Durable goods industries	71,226	71,208	71,191	0.0	0.0	+0.2	71,286	71,570	71,242	71,020	+.4
Stone, clay, and glass products	2,552	2,568	2,565	-0.6	+0.1	+0.7	2,569	2,572	2,571	2,533	+1.4
Primary metals	7,370	7,287	7,353	+1.1	-0.9	-0.4	7,326	7,470	7,651	7,293	+.5
Fabricated metal products	8,549	8,493	8,513	+0.7	-0.2	-1.6	8,576	8,607	8,514	9,239	-7.2
Industrial machinery and equipment	13,343	13,399	13,226	-0.4	+1.3	-0.5	13,379	13,489	13,056	13,631	-1.8
Electronic and other electrical equipment	9,272	9,376	9,565	-1.1	-2.0	-2.3	9,292	9,326	9,468	9,820	-5.4
Transportation equipment	15,455	15,423	15,178	+0.2	+1.6	+2.7	15,392	15,372	15,212	13,962	+10.2
Instruments and related products	5,718	5,786	5,831	-1.2	-0.8	-0.9	5,767	5,731	5,650	6,035	-4.4
Lumber, furniture and miscellaneous durable goods	8,967	8,876	8,960	+1.0	-0.9	+2.8	8,985	9,003	9,120	8,507	+5.6
Nondurable goods industries	49,738	50,034	49,710	-0.6	+0.7	-0.5	50,158	50,806	50,175	48,812	+2.8
Food and kindred products	9,307	9,344	9,270	-0.4	+0.8	-2.7	9,473	9,680	9,543	9,205	+2.9
Tobacco products	4,155	4,078	3,991	+1.9	+2.2	-2.9	4,363	4,497	4,397	4,297	+1.5
Textile mill products	2,513	2,513	2,463	0.0	+2.0	0.0	2,513	2,504	2,391	2,518	-.2
Paper and allied products	7,190	7,203	7,110	-0.2	+1.3	+0.6	7,220	7,251	7,150	6,942	+4.0
Chemicals and allied products	10,924	11,061	10,964	-1.2	+0.9	+0.2	11,053	11,091	10,903	10,649	+3.8
Petroleum and coal products	3,371	3,482	3,727	-3.2	-6.6	+5.3	3,348	3,434	3,724	3,134	+6.8
Rubber and plastics products	4,315	4,360	4,298	-1.0	+1.4	-3.2	4,295	4,427	4,407	4,215	+1.9
Apparel, printing and publishing and leather goods	7,963	7,993	7,887	-0.4	+1.3	0.0	7,893	7,922	7,660	7,852	+.5
WORK IN PROCESS											
All manufacturing industries	141,219	141,441	142,075	-0.2	-0.4	-2.3	141,327	139,708	137,931	144,031	-1.9
Durable goods industries	118,800	119,015	119,169	-0.2	-0.1	-2.7	118,968	117,421	115,655	121,684	-2.2
Stone, clay, and glass products	1,081	1,050	1,065	+3.0	-1.4	+3.5	1,121	1,047	1,013	1,083	+3.5
Primary metals	9,238	9,271	9,401	-0.4	-1.4	+0.9	9,220	9,281	9,230	9,125	+1.0
Fabricated metal products	8,459	8,551	8,673	-1.1	-1.4	+1.7	8,443	8,445	8,466	8,390	+.6
Industrial machinery and equipment	21,556	21,489	21,431	+0.3	+0.3	-1.8	21,507	21,077	20,787	21,506	.0
Electronic and other electrical equipment	12,021	12,197	12,086	-1.4	+0.9	+0.1	11,986	11,973	11,697	12,618	-5.0
Transportation equipment	48,931	49,001	48,773	-0.1	+0.5	-5.3	49,126	48,350	47,236	50,691	-3.7
Instruments and related products	13,162	13,070	13,299	+0.7	-1.7	-2.0	13,117	12,841	12,839	13,809	-5.0
Lumber, furniture and miscellaneous durable goods	4,352	4,386	4,441	-0.8	-1.2	-3.8	4,448	4,407	4,387	4,462	-.2
Nondurable goods industries	22,419	22,426	22,906	0.0	-2.1	-0.2	22,359	22,287	22,276	22,347	+.
Food and kindred products	3,483	3,463	3,571	+0.6	-3.0	+1.0	3,489	3,515	3,598	3,324	+5.0
Tobacco products	158	159	197	-0.6	-19.3	+18.0	164	150	215	152	+7.9
Textile mill products	2,472	2,466	2,443	+0.2	+0.9	-2.0	2,487	2,469	2,366	2,609	-4.7
Paper and allied products	1,407	1,363	1,408	+3.2	-3.2	+2.2	1,387	1,340	1,382	1,415	-2.0
Chemicals and allied products	5,217	5,204	5,194	+0.2	+0.2	0.0	5,205	5,192	4,994	4,941	+5.2
Petroleum and coal products	2,615	2,754	2,980	-5.0	-7.6	-2.6	2,576	2,746	2,887	2,655	-3.0
Rubber and plastics products	1,620	1,613	1,626	+0.4	-0.8	-1.0	1,632	1,651	1,627	1,639	-.4
Apparel, printing and publishing and leather goods	5,447	5,404	5,487	+0.8	-1.5	+0.2	5,419	5,224	5,207	5,612	-3.4
FINISHED GOODS											
All manufacturing industries	126,292	125,698	125,835	+0.5	-0.1	-0.1	127,813	125,649	122,787	124,301	+2.8
Durable goods industries	62,334	61,947	62,476	+0.6	-0.8	-0.6	63,597	62,044	60,718	63,093	+.1
Stone, clay, and glass products	4,670	4,605	4,527	+1.4	+1.7	+0.6	4,772	4,562	4,434	4,277	+11.6
Primary metals	6,584	6,699	6,897	-1.7	-2.9	+0.8	6,728	6,699	6,661	6,351	+5.9
Fabricated metal products	7,665	7,475	7,399	+2.5	+1.0	-3.7	7,772	7,501	7,210	7,636	+1.8
Industrial machinery and equipment	13,300	13,089	13,067	+1.6	+0.2	-2.4	13,760	13,243	12,883	14,158	-2.8
Electronic and other electrical equipment	8,399	8,374	8,416	+0.3	-0.5	-3.4	8,425	8,279	8,182	8,710	-3.2
Transportation equipment	9,208	9,062	9,473	+1.6	-4.3	+11.2	9,447	9,214	9,130	8,313	+13.6
Instruments and related products	5,040	5,119	5,143	-1.5	-0.5	-4.1	5,118	5,050	4,991	5,503	-7.0
Lumber, furniture and miscellaneous durable goods	7,468	7,524	7,554	-0.7	-0.4	-3.7	7,575	7,496	7,227	8,145	-7.0
Nondurable goods industries	63,958	63,751	63,359	+0.3	+0.6	+0.5	64,216	63,605	62,069	61,208	+4.9
Food and kindred products	15,340	15,284	14,943	+0.4	+2.3	-0.3	15,383	15,406	15,094	14,535	+5.8
Tobacco products	1,420	1,405	1,187	+1.1	+18.4	+25.5	1,550	1,428	995	1,278	+21.3
Textile mill products	3,886	3,913	3,940	-0.7	-0.7	-0.9	3,923	3,835	3,705	4,033	-2.7
Paper and allied products	5,091	4,981	4,844	+2.2	+2.8	+0.8	5,209	5,045	4,787	4,929	+5.7
Chemicals and allied products	16,619	16,386	16,208	+1.4	+1.1	+1.1	16,849	16,562	16,221	15,533	+8.5
Petroleum and coal products	5,835	6,043	6,468	-3.4	-6.6	-3.5	5,847	6,038	6,211	5,645	+3.6
Rubber and plastics products	6,073	6,081	6,071	-0.1	+0.2	+3.7	6,166	6,028	5,852	5,582	+10.5
Apparel, printing and publishing and leather goods	9,694	9,658	9,698	+0.4	-0.4	-0.6	9,289	9,263	9,204	9,673	-4.0

[p] Prelimary. [r] Revised.

Table 8. RATIOS OF MANUFACTURES' INVENTORIES TO SHIPMENTS AND UNFILLED ORDERS TO SHIPMENTS, BY INDUSTRY GROUP
(Based on seasonally adjusted data)

Industry	Inventory / Shipments ratio				Unfilled Orders / Shipments ratio[1]			
	Feb. 1991[p]	Jan. 1991[r]	Dec. 1990[r]	Nov. 1990[r]	Feb. 1991[p]	Jan. 1991[r]	Dec. 1990[r]	Nov. 1990[r]
All manufacturing industries	1.66	1.66	1.64	1.60	4.08	4.08	4.04	3.94
urable goods industries	2.15	2.14	2.13	2.09	5.03	5.03	4.97	4.86
Stone, clay, and glass products	1.82	1.78	1.69	1.62	1.25	1.22	1.19	1.14
Primary metals	2.19	2.09	2.06	2.00	1.94	1.93	2.01	2.05
Fabricated metal products	1.68	1.65	1.58	1.62	2.05	2.05	1.92	1.96
Industrial machinery and equipment	2.30	2.28	2.18	2.18	2.90	2.95	2.81	2.84
Electronic and other electrical equipment	1.80	1.80	1.82	1.81	3.05	2.94	2.97	2.85
Transportation equipment	2.54	2.61	2.74	2.54	13.61	14.20	14.71	13.77
Instruments and related products	2.43	2.44	2.48	2.43	6.02	6.00	6.05	5.98
ondurable goods industries	1.18	1.17	1.15	1.10	0.72	0.72	0.73	0.71
Food and kindred products	0.86	0.87	0.83	0.83	(X)	(X)	(X)	(X)
Tobacco products	2.54	2.29	2.91	1.87	(X)	(X)	(X)	(X)
Textile mill products	1.82	1.82	1.77	1.72	(NA)	(NA)	(NA)	(NA)
Paper and allied products	1.34	1.33	1.28	1.23	(NA)	(NA)	(NA)	(NA)
Chemicals and allied products	1.37	1.35	1.35	1.29	(X)	(X)	(X)	(X)
Petroleum and coal products	0.83	0.79	0.83	0.74	(X)	(X)	(X)	(X)
Rubber and plastics products	1.62	1.61	1.62	1.57	(X)	(X)	(X)	(X)

[p] Preliminary. [r] Revised. (X) Not applicable. (NA) Not available.

[1] Excludes the following industries with no unfilled orders : Wood and lumber products; glass containers; metal cans, barrels and drums; farm and garden machinery; motor vehicle assembly operations; other transportation equipment; foods and related products; tobacco; knitting mill products; apparel and related products; chemicals; petroleum and coal products; and rubber and plastics products.

Table 9. AVERAGE REVISIONS TO PREVIOUSLY PUBLISHED MONTHLY PERCENT CHANGES
(Based on seasonally adjusted data)

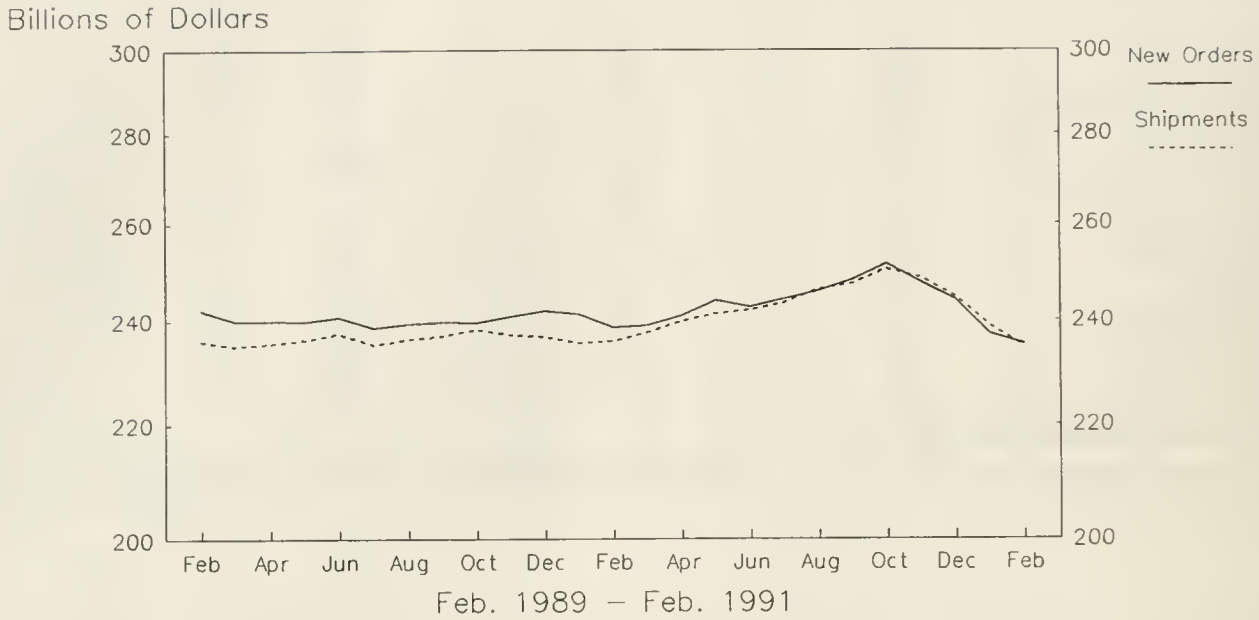
Industry	Shipments			New orders			Unfilled orders			Inventories		
	Feb. 1990	Feb.[1] 1986-1990	Feb. 1990-Jan. 1991	Feb. 1990	Feb.[1] 1986-1990	Feb. 1990-Jan. 1991	Feb. 1990	Feb.[1] 1986-1990	Feb. 1990-Jan. 1991	Feb. 1990	Feb.[1] 1986-1990	Feb. 1990-Jan. 1991
All manufacturing industries	0.1	0.2	0.2	0.1	0.3	0.1	0.0	0.0	0.0	0.1	0.1	0.0
urable goods industries	0.1	0.3	0.3	0.1	0.4	0.3	0.1	0.1	0.1	0.0	0.1	0.1
Stone, clay, and glass products	0.1	0.5	0.6	0.2	0.5	0.6	0.0	0.2	0.4	0.2	0.3	0.2
Primary metals	0.3	0.5	0.5	0.8	0.5	0.8	0.2	0.3	0.2	0.1	0.2	0.2
Fabricated metal products	0.4	0.9	0.6	0.4	1.5	0.7	0.0	0.8	0.1	0.0	0.2	0.3
Industrial machinery and equipment	0.1	0.3	0.6	0.0	0.6	0.9	0.0	0.1	0.2	0.0	0.1	0.0
Electronic and other electrical equipment	0.0	0.2	0.3	0.0	0.6	0.9	0.1	0.1	0.2	0.2	0.1	0.1
Transportation equipment	0.0	0.1	0.5	0.0	0.2	0.5	0.0	0.0	0.0	0.1	0.1	0.1
Instruments and related products	0.1	0.9	0.5	0.2	1.0	1.8	0.1	0.3	0.3	0.0	0.3	0.2
ondurable goods industries	0.2	0.4	0.2	0.2	0.4	0.2	0.1	0.5	0.4	0.0	0.1	0.1
Food and kindred products	0.1	0.3	0.1	(X)	(X)	(X)	(X)	(X)	(X)	0.2	0.1	0.2
Tobacco products	0.2	0.7	0.6	(X)	(X)	(X)	(X)	(X)	(X)	0.0	0.1	0.0
Textile mill products	0.4	0.6	0.8	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	0.3	0.3	0.3
Paper and allied products	0.2	0.2	0.3	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	0.4	0.3	0.2
Chemicals and allied products	0.1	0.5	0.3	(X)	(X)	(X)	(X)	(X)	(X)	0.3	0.4	0.1
Petroleum and coal products	0.7	1.3	0.5	(X)	(X)	(X)	(X)	(X)	(X)	0.1	0.5	0.1
Rubber and plastics products	0.1	0.5	0.9	(X)	(X)	(X)	(X)	(X)	(X)	0.1	0.6	0.3
apital goods industries :												
Nondefense	0.0	0.2	0.4	0.1	0.4	0.7	0.1	0.1	0.0	0.1	0.1	0.1
Defense	0.1	0.2	0.7	0.1	0.8	3.3	0.0	0.0	0.0	0.0	0.0	0.1

(X) Not applicable. (NA) Not available.

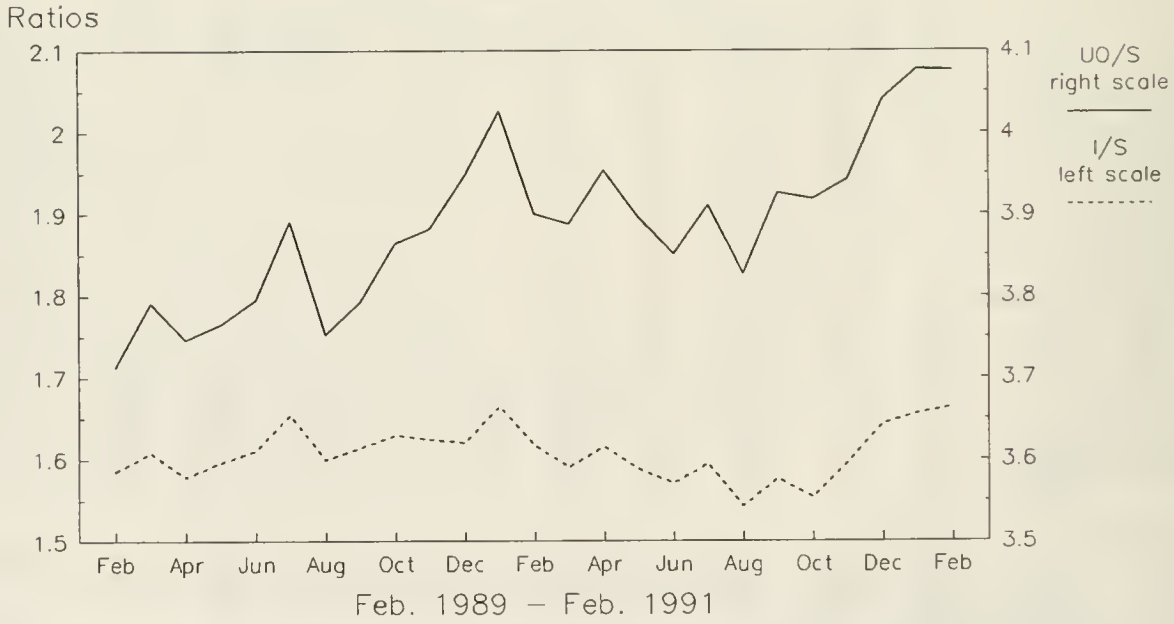
Note : The revisions are the differences between the month-to-month percent changes of the preliminary and final estimates. The monthly averages are the simple averages of the absolute values of the differences for the months specified. The advance to final percent change revisions for the durable goods industries are shown in the advance report for the month.

[1] Average for this month for the last five years.

Total Manufacturing
New Orders and Shipments
Three Month Moving Averages

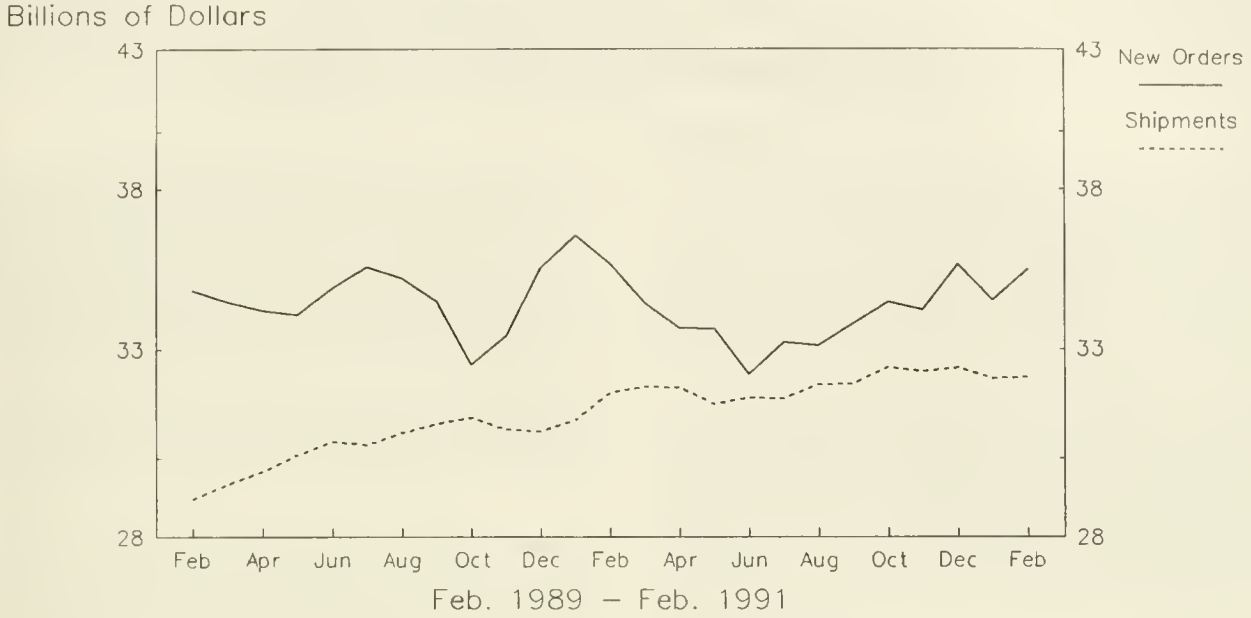


Total Manufacturing
Ratios of Unfilled Orders and
Inventories to Shipments

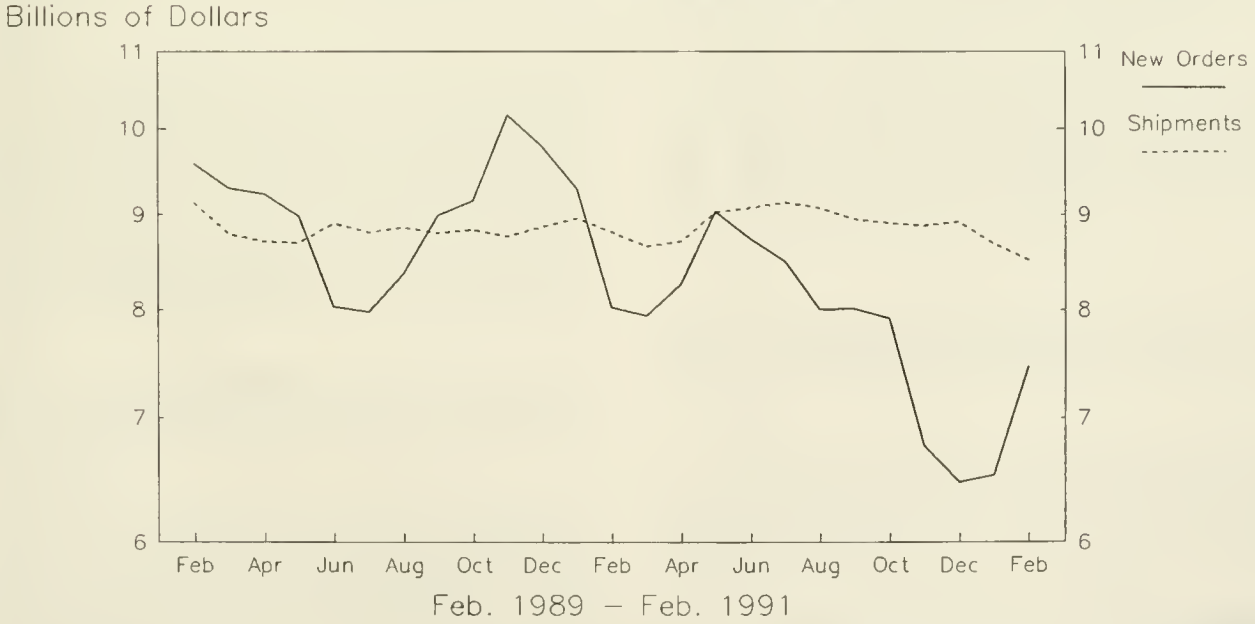


Note: All Charts based on seasonally adjusted current dollars.

Nondefense Capital Goods
New Orders and Shipments
Three Month Moving Averages



Defense Capital Goods
New Orders and Shipments
Three Month Moving Averages



Note: All Charts based on seasonally adjusted current dollars.

U.S. Department of Commerce
BUREAU OF THE CENSUS
Washington, D.C. 20233

Official Business

Penalty for Private Use, $300

U.S.MAIL

POSTAGE AND FEES P
U S DEPARTMENT OF COMME

COM-2

First Class Mail

3.158:M 3-1(91)-4
rent Industrial Reports,...

SUPERINTENDENT OF DOCUMENTS
JUL 18 1991
HOUSTON PUBLIC LIBRARY GOVERNMENT DOCUMENTS DEPT.

Manufacturers' Shipments, Inventories, and Orders

April 1991
M3-1-(91)-4

U. S. Department of Commerce
UREAU OF THE CENSUS

For Wire Transmissions 10:00 a.m. E.D.T. Tuesday, May 31, 1991

(All figures in text are in seasonally adjusted current dollars)

Summary

New orders for manufactured goods in April increased $4.1 billion or 1.8 percent to $230.5 billion, the Department of Commerce, Bureau of the Census reported today. This is the first increase since a 2.4 percent increase in October 1990, when new orders reached a high of $255.0 billion. Both the durable and nondurable sectors were up, but most of the April increase was accounted for by durable goods.

Shipments were up $6.0 billion or 2.6 percent to $234.7 billion. This is also the first increase since a 1.6 percent increase in October when shipments reached a high of $252.0 billion. Most of the April increase was accounted for by durable goods.

Unfilled orders in March were down $4.2 billion or 0.8 percent to $520.6 billion. Unfilled orders have declined 5 of the past 6 months since peaking at $532.2 billion in October and are at the lowest level since November 1989 when they were $512.4 billion.

Inventories decreased $0.7 billion or 0.2 percent to $385.3 billion. Inventories have declined 4 of the past 5 months since reaching the high in November of $392.4 billion. The durable goods sector accounted for all the decrease, while nondurable inventories were flat. The inventories to shipments ratio in April decreased to 1.64 from 1.69 in March.

New Orders

Orders for durable goods were up $3.3 billion or 3.0 percent to $115.4 billion. This is the first increase since the 3.5 percent increase in December. New orders for all major durable industries except transportation equipment were up in April. Electronics and other electrical machinery had the largest increase, up $1.6 billion or 10.2 percent to $17.2 billion following a 13.4 percent decline in March. Increases in the individual categories in electronics were widespread with over half of the April electronics increase in electronic components.

New orders for transportation equipment decreased $1.1 billion or 3.8 percent to $27.3 billion. A decrease of $3.5 billion or 29.3 percent in aircraft and parts more than offset an increase of $2.5 billion or 16.7 percent in motor vehicles and parts.

New orders for nondurable goods increased $0.7 billion or 0.7 percent to $115.1 billion. This is the first increase since October when orders increased 1.6 percent. The largest increase in April was in the chemical industry.

Shipments

Shipments for durable goods in April increased 4.4 percent or $5.0 billion to $119.5 billion. This increase follows five consecutive declines. While all major industries increased in April, over half of the increase was attributed to transportation equipment. Within the transportation industry, an increase in motor vehicles and parts of $2.5 billion or 16.4 percent accounted for most of the increase.

Shipments of nondurable goods increased $0.9 billion or 0.8 percent to $115.2 billion. Chemicals and allied products increased $1.2 billion or 5.4 percent to $24.1 billion in April following a decline of $0.9 billion or 3.9 percent in March. Also increasing in April were textile mill products, rubber and plastics, and apparel and related products. These increases more than offset decreases in the remaining industries.

Unfilled Orders

Unfilled orders for durable goods in April declined $4.1 billion or 0.8 percent to $500.2 billion. Over half of the decrease was caused by a decline in transportation equipment of $3.0 billion or 1.1 percent to $278.1 billion. All industries in transportation were down with most of the decline attributed to aircraft and parts, down $2.5 billion or 1.0 percent to $242.9 billion. Instruments and related products decreased $1.0 billion or 1.7 percent to $57.4 billion, and industrial machinery and equipment declined $0.8 billion or 1.5 percent to $55.2 billion.

Within the major durable goods categories, the largest increase was in electronic and other electrical equipment, up $0.6 billion or 1.2 percent to $50.1 billion. An increase of $0.7 billion or 4.6 percent in electronic components more than offset decreases in communication equipment and electric lighting and wiring equipment.

Inventories

Inventories for durable goods in April were down $0.7 billion or 0.3 percent to $249.7 billion, with most of the industries declining. Nondurable goods inventories showed no change.

By stage of fabrication, finished goods inventories increased 0.9 percent in durables and decreased 0.2 percent in nondurables. Work in process was down 0.4 percent in durables and increased 1.2 percent in nondurables. Materials and supplies decreased 1.0 percent in durables and decreased 0.3 percent in nondurables.

The advance report on durable goods for May is scheduled for June 25, 1991 at 8:30 a.m. and the full report on July 2, 1991 at 10:00 a.m. Address inquiries concerning these figures to U.S. Department of Commerce, Bureau of the Census, Industry Division, Washington, DC 20233 or call Kathleen Menth or Gloria Cable, (301) 763-2502 or (301) 763-2512.
For sale by the Superintendent of Documents, U.S. Government Printing Office, Washington, DC 20402. This report is also available the day of issue through the Department of Commerce's online Economic Bulletin Board (N-8-1) (202-377-3870) and through the Census Bureau's online information service-CENDATA. CENDATA is available from Dialog Information Services, INC. (1-800-334-2464) and CompuServe (1-800-848-8199). The CENDATA staff at the Bureau of the Census (301-763-2074) can provide content information and general guidance.

Table 1. VALUE OF MANUFACTURERS' SHIPMENTS FOR INDUSTRY GROUPS
(Millions of dollars)

Industry	Seasonally adjusted						Not seasonally adjusted[1]						
	Monthly			Percent Change			Monthly				Percent change	Year to date	
	Apr. 1991[p]	Mar. 1991[r]	Feb. 1991	Mar.-Apr.	Feb.-Mar.	Jan.-Feb.	Apr. 1991[p]	Mar. 1991[r]	Feb. 1991	Apr. 1990	Apr. 91/90	1991[p]	1990
All manufacturing industries	234,666	228,715	233,215	+2.6	-1.9	-0.6	235,377	238,810	231,617	238,966	-1.5	920,059	942,701
Manufacturing industries with unfilled orders	129,357	126,600	129,085	+2.2	-1.9	-0.2	128,839	133,761	127,883	132,231	-2.6	506,478	524,957
Durable goods industries	119,506	114,487	117,432	+4.4	-2.5	-0.2	120,642	122,049	116,914	124,831	-3.4	464,227	491,648
With unfilled orders	101,139	98,324	100,424	+2.9	-2.1	-0.3	100,660	104,992	99,405	102,757	-2.0	394,223	409,508
Stone, clay, and glass products	4,488	4,397	4,544	+2.1	-3.2	-1.4	4,726	4,402	4,290	5,475	-13.7	17,451	20,691
Primary metals	10,589	10,220	10,620	+3.6	-3.8	-4.7	10,936	10,650	10,728	12,319	-11.2	42,931	48,370
Blast furnaces, steel mills	4,083	3,900	4,281	+4.7	-8.9	-7.4	4,279	4,110	4,299	5,069	-15.6	17,187	19,902
Iron and steel foundries	848	830	845	+2.2	-1.8	-2.5	897	850	845	1,014	-11.5	3,374	3,740
Nonferrous and other primary metals	5,658	5,490	5,494	+3.1	-0.1	-2.8	5,760	5,690	5,584	6,236	-7.6	22,370	24,728
Fabricated metal products	14,751	14,532	14,616	+1.5	-0.6	-1.5	15,121	15,443	14,819	15,786	-4.2	58,733	61,912
Industrial machinery and equipment	21,058	20,840	20,897	+1.0	-0.3	-0.5	20,736	23,286	20,308	21,425	-3.2	82,160	86,870
Engines and turbines	1,273	1,374	1,282	-7.4	+7.2	-6.0	1,223	1,564	1,214	1,259	-2.9	5,102	5,272
Farm and garden machinery	1,287	1,245	1,308	+3.4	-4.8	-1.4	1,623	1,537	1,421	1,796	-9.6	5,726	6,443
Construction, mining and material handling equipment	2,893	2,661	2,864	+8.7	-7.1	-0.9	3,029	2,889	2,898	2,862	+5.8	11,402	11,311
Metalworking machinery	1,718	1,669	1,727	+2.9	-3.4	+5.4	1,629	1,889	1,772	1,914	-14.9	6,689	8,037
Computer and office equipment	5,866	5,852	5,767	+0.2	+1.5	-3.4	4,722	6,992	4,990	4,740	-0.4	21,081	21,512
Electronic and other electrical equipment	16,665	16,525	16,517	+0.8	0.0	-0.5	16,167	17,443	16,459	15,846	+2.0	64,827	64,789
Electrical transmission and distribution equipment and industrial apparatus	2,290	2,318	2,231	-1.2	+3.9	-1.0	2,302	2,524	2,322	2,310	-0.3	9,179	9,557
Household appliances	1,560	1,451	1,455	+7.5	-0.3	-2.7	1,597	1,568	1,420	1,564	+2.1	5,929	6,223
Electric lighting and wiring equipment	1,347	1,309	1,291	+2.9	+1.4	+2.2	1,253	1,326	1,318	1,191	+5.2	5,030	4,973
Household audio and video equipment	866	814	784	+6.4	+3.8	-4.0	685	791	705	533	+28.5	2,868	2,623
Communications equipment	3,916	3,897	4,042	+0.5	-3.6	-4.9	3,767	4,229	3,918	3,774	-0.2	15,450	15,125
Electronic components	5,174	5,124	5,184	+1.0	-1.2	+3.9	5,205	5,406	5,291	5,087	+2.3	20,563	20,423
Transportation equipment	30,306	27,314	28,912	+11.0	-5.5	+2.9	31,509	29,230	29,488	31,978	-1.5	115,334	121,532
Motor vehicles and parts	17,361	14,910	15,726	+16.4	-5.2	-2.1	18,751	15,952	17,002	20,260	-7.4	67,172	75,376
Aircraft, missiles, space vehicles, and parts	10,985	10,370	11,430	+5.9	-9.3	+11.4	10,745	11,176	10,761	9,708	+10.7	40,727	38,140
Shipbuilding and tanks	1,143	1,007	954	+13.5	+5.6	-7.3	1,086	996	930	887	+22.4	3,899	3,620
Instruments and related products	10,098	9,488	9,797	+6.4	-3.2	-0.5	9,615	10,182	9,462	9,407	+2.2	37,973	38,538
Search and navigation equipment	2,901	2,891	2,814	+0.3	+2.7	-1.7	2,676	3,212	2,585	2,801	-4.5	10,769	11,508
Measuring and controlling devices	2,338	2,253	2,322	+3.8	-3.0	+2.0	2,277	2,400	2,266	2,337	-2.6	9,094	9,747
Medical instruments and supplies	2,522	2,315	2,463	+8.9	-6.0	-1.5	2,436	2,448	2,507	2,209	+10.3	9,762	8,977
Photographic goods	2,076	1,762	1,926	+17.8	-8.5	-1.3	1,947	1,826	1,823	1,782	+9.3	7,275	7,260
All other durable goods	11,551	11,171	11,529	+3.4	-3.1	+0.3	11,832	11,413	11,360	12,595	-6.1	44,818	48,946
Nondurable goods industries	115,160	114,228	115,783	+0.8	-1.3	-1.0	114,735	116,761	114,703	114,135	+0.5	455,832	451,053
With unfilled orders	28,218	28,276	28,661	-0.2	-1.3	+0.4	28,179	28,769	28,478	29,474	-4.4	112,255	115,449
Food and kindred products	32,813	33,111	32,917	-0.9	+0.6	+2.5	32,140	33,904	32,651	31,915	+0.7	128,607	127,540
Meat products	8,110	8,266	8,019	-1.9	+3.1	-0.3	7,956	8,229	7,838	7,784	+2.2	31,521	30,653
Dairy products	4,392	4,389	4,305	+0.1	+2.0	-2.2	4,344	4,460	4,257	4,602	-5.6	17,221	18,218
Beverages	4,250	4,458	4,384	-4.7	+1.7	+4.6	4,467	4,402	3,973	4,495	-0.6	16,533	16,686
All other foods, except fats and oils	14,642	14,550	14,719	+0.6	-1.1	+4.3	13,954	15,365	15,093	13,578	+2.8	57,610	56,091
Tobacco products	2,113	2,452	2,286	-13.8	+7.3	-7.3	1,817	2,944	1,826	2,222	-18.2	8,135	8,085
Textile mill products	5,039	4,932	4,878	+2.2	+1.1	-0.2	4,991	5,189	4,831	5,297	-5.8	19,278	21,319
Broadwoven fabrics and other textiles	2,976	2,976	2,926	0.0	+1.7	-1.3	2,976	3,143	2,916	3,248	-8.4	11,665	13,073
Paper and allied products	9,953	9,994	10,218	-0.4	-2.2	0.0	9,915	10,253	10,334	10,614	-6.6	40,532	42,862
Pulp, paper, and paperboard mill products	4,215	4,340	4,413	-2.9	-1.7	-1.6	4,198	4,456	4,528	4,584	-8.4	17,626	18,659
Paperboard containers and boxes	2,257	2,131	2,282	+5.9	-6.6	-2.8	2,295	2,183	2,276	2,417	-5.0	9,015	9,791
Miscellaneous converted paper products	3,481	3,523	3,523	-1.2	0.0	+4.1	3,422	3,614	3,530	3,613	-5.3	13,891	14,412
Chemicals and allied products	24,112	22,885	23,816	+5.4	-3.9	-1.6	25,004	24,200	24,205	24,252	+3.1	97,110	94,121
Industrial chemicals	12,820	12,230	12,756	+4.8	-4.1	-5.2	13,205	12,938	13,157	12,997	+1.6	52,292	51,310
Drugs, soaps, and toiletries	8,708	8,109	8,520	+7.4	-4.8	+2.6	8,316	8,354	8,618	7,748	+7.3	33,667	31,551
Petroleum and coal products	13,527	13,584	14,099	-0.4	-3.7	-8.8	13,454	12,838	13,261	12,687	+6.0	54,488	50,968
Rubber and plastics products	7,613	7,303	7,395	+4.2	-1.2	-1.1	7,886	7,497	7,482	7,767	+1.5	29,818	30,158
All other nondurable goods	19,990	19,967	20,174	+0.1	-1.0	+0.4	19,528	19,936	20,113	19,381	+0.8	77,864	76,000

[p] Preliminary. [r] Revised.

[1] Shipments and new orders are the totals for the period and are adjusted for trading-day and calendar-month variations.

Table 2. VALUE OF MANUFACTURERS' NEW ORDERS FOR INDUSTRY GROUPS
(Millions of dollars)

Industry	Seasonally adjusted						Not seasonally adjusted[1]						
	Monthly			Percent Change			Monthly				Percent change	Year to date	
	Apr. 1991[p]	Mar. 1991[r]	Feb. 1991	Mar.-Apr.	Feb.-Mar.	Jan.-Feb.	Apr. 1991[p]	Mar. 1991[r]	Feb. 1991	Apr. 1990	Apr. 91/90	1991[p]	1990
All manufacturing industries	230,506	226,431	233,132	+1.8	-2.9	-0.6	231,173	238,355	234,071	240,112	-3.7	921,042	956,687
Manufacturing industries with unfilled orders	125,197	124,316	129,002	+0.7	-3.6	-0.1	124,635	133,306	130,337	133,377	-6.6	507,461	538,943
Durable goods industries	115,443	112,116	117,547	+3.0	-4.6	-0.2	116,540	120,990	119,158	126,021	-7.5	464,437	504,568
With unfilled orders	97,076	95,953	100,539	+1.2	-4.6	-0.3	96,558	103,933	101,649	103,947	-7.1	394,433	422,428
Stone, clay, and glass products	4,649	4,596	4,586	+1.2	+0.2	+1.9	4,874	4,569	4,520	5,579	-12.6	17,933	20,667
Primary metals	10,434	9,725	9,776	+7.3	-0.5	+2.8	10,741	10,591	10,347	12,393	-13.3	41,623	50,689
Blast furnaces, steel mills	4,222	3,664	3,839	+15.2	-4.6	+8.0	4,374	3,808	4,115	5,110	-14.4	16,382	21,014
Iron and steel foundries	777	787	803	-1.3	-2.0	+9.1	855	826	831	1,089	-21.5	3,277	4,149
Nonferrous and other primary metals	5,435	5,274	5,134	+3.1	+2.7	-1.6	5,512	5,957	5,401	6,194	-11.0	21,964	25,526
Fabricated metal products	14,857	14,328	14,278	+3.7	+0.4	-6.0	15,233	15,416	14,481	15,823	-3.7	59,017	62,246
Industrial machinery and equipment	20,216	19,872	19,899	+1.7	-0.1	-8.7	20,045	21,992	19,278	21,174	-5.3	80,557	87,009
Engines and turbines	1,494	1,429	1,260	+4.5	+13.4	-23.0	1,285	1,397	1,121	1,045	+23.0	5,162	5,325
Construction, mining and material handling equipment	2,633	2,292	2,363	+14.9	-3.0	-27.5	2,830	2,626	2,301	2,948	-4.0	10,792	11,454
Metalworking machinery	1,705	1,767	1,564	-3.5	+13.0	-1.9	1,616	1,987	1,609	1,669	-3.2	6,567	7,739
Computer and office equipment	5,556	5,883	5,748	-5.6	+2.3	-7.6	4,627	6,929	5,066	5,111	-9.5	21,340	21,806
Electronic and other electrical equipment	17,241	15,642	18,067	+10.2	-13.4	+11.2	16,976	16,621	18,466	16,026	+5.9	66,715	65,805
Electrical transmission and distribution equipment and industrial apparatus	2,294	2,247	2,265	+2.1	-0.8	-6.5	2,308	2,420	2,427	2,415	-4.4	9,417	9,768
Electric lighting and wiring equipment	1,294	1,249	1,341	+3.6	-6.9	-3.3	1,200	1,266	1,368	1,165	+3.0	5,091	5,026
Communications equipment	3,756	3,350	4,487	+12.1	-25.3	+23.0	3,558	3,631	4,394	3,638	-2.2	14,579	14,638
Electronic components	5,839	4,965	5,899	+17.6	-15.8	+22.4	6,238	5,389	6,259	5,346	+16.7	22,396	21,176
Transportation equipment	27,271	28,343	29,758	-3.8	-4.8	-0.3	27,835	31,157	30,850	32,848	-15.3	117,301	130,496
Aircraft, missiles, space vehicles, and parts	8,490	12,015	12,801	-29.3	-6.1	+13.9	7,612	13,651	12,650	10,156	-25.0	43,409	46,937
Shipbuilding and tanks	738	823	590	-10.3	+39.5	-62.6	689	822	537	757	-9.0	3,496	3,835
Instruments and related products	9,106	8,687	9,926	+4.8	-12.5	+3.1	8,449	9,045	9,831	9,201	-8.2	35,624	37,486
Search and navigation equipment	2,238	2,056	3,052	+8.9	-32.6	+20.5	1,811	2,009	3,076	2,674	-32.3	8,608	10,116
Measuring and controlling devices	2,213	2,383	2,356	-7.1	+1.1	+0.4	2,152	2,530	2,300	2,337	-7.9	9,202	9,764
Medical instruments and supplies	2,334	2,267	2,346	+3.0	-3.4	-8.1	2,248	2,400	2,390	2,101	+7.0	9,462	9,222
All other durable goods	11,669	10,923	11,257	+6.8	-3.0	+1.5	12,387	11,599	11,385	12,977	-4.5	45,667	50,170
Nondurable goods industries	115,063	114,315	115,585	+0.7	-1.1	-0.9	114,633	117,365	114,913	114,091	+0.5	456,605	452,119
With unfilled orders	28,121	28,363	28,463	-0.9	-0.4	+0.5	28,077	29,373	28,688	29,430	-4.6	113,028	116,515

[p] Preliminary. [r] Revised.

[1] Shipments and new orders are the totals for the period and are adjusted for trading-day and calendar-month variations.

Table 3. VALUE OF MANUFACTURERS' UNFILLED ORDERS FOR INDUSTRY GROUPS
(Millions of dollars)

Industry	Seasonally adjusted						Not seasonally adjusted				
	Monthly			Percent Change			Monthly				Percent change
	Apr. 1991p	Mar. 1991r	Feb. 1991	Mar.-Apr.	Feb.-Mar.	Jan.-Feb.	Apr. 1991p	Mar. 1991r	Feb. 1991	Apr. 1990	Apr. 91/90
All manufacturing industries	520,582	524,742	527,026	-0.8	-0.4	0.0	525,055	529,259	529,714	531,808	-1.3
Durable goods industries	500,197	504,260	506,631	-0.8	-0.5	0.0	504,341	508,443	509,502	510,200	-1.1
Stone, clay, and glass products	5,510	5,349	5,150	+3.0	+3.9	+0.8	5,566	5,418	5,251	5,140	+8.3
Primary metals	19,994	20,149	20,644	-0.8	-2.4	-3.9	21,051	21,246	21,305	25,475	-17.4
Blast furnaces, steel mills	6,971	6,832	7,068	+2.0	-3.3	-5.9	7,459	7,364	7,666	10,096	-26.1
Iron and steel foundries	2,841	2,912	2,955	-2.4	-1.5	-1.4	2,921	2,963	2,987	3,004	-2.8
Nonferrous and other primary metals	10,182	10,405	10,621	-2.1	-2.0	-3.3	10,671	10,919	10,652	12,375	-13.8
Fabricated metal products	27,325	27,219	27,423	+0.4	-0.7	-1.2	27,544	27,432	27,459	28,660	-3.9
Industrial machinery and equipment	55,156	55,998	56,966	-1.5	-1.7	-1.7	55,322	56,013	57,307	59,194	-6.5
Engines and turbines	8,208	7,987	7,932	+2.8	+0.7	-0.3	7,958	7,896	8,063	6,748	+17.9
Construction, mining and material handling equipment	7,284	7,544	7,913	-3.4	-4.7	-6.0	7,481	7,680	7,943	8,691	-13.9
Metalworking machinery	6,932	6,945	6,847	-0.2	+1.4	-2.3	6,932	6,945	6,847	7,406	-6.4
Computer and office equipment	11,965	12,275	12,244	-2.5	+0.3	-0.2	11,977	12,072	12,135	12,518	-4.3
Electronic and other electrical equipment	50,072	49,496	50,379	+1.2	-1.8	+3.2	50,531	49,722	50,544	48,828	+3.5
Electrical transmission and distribution equipment and industrial apparatus	6,772	6,768	6,839	+0.1	-1.0	+0.5	6,818	6,812	6,916	6,739	+1.2
Electric lighting and wiring equipment	2,128	2,181	2,241	-2.4	-2.7	+2.3	2,128	2,181	2,241	2,040	+4.3
Communications equipment	21,537	21,697	22,244	-0.7	-2.5	+2.0	21,532	21,741	22,339	20,848	+3.3
Electronic components	15,100	14,435	14,594	+4.6	-1.1	+5.2	15,538	14,505	14,522	14,997	+3.6
Transportation equipment	278,073	281,108	280,079	-1.1	+0.4	+0.3	279,475	283,149	281,222	270,192	+3.4
Aircraft, missiles, space vehicles, and parts	242,912	245,407	243,762	-1.0	+0.7	+0.6	244,340	247,473	244,998	232,424	+5.1
Shipbuilding and tanks	26,609	27,014	27,198	-1.5	-0.7	-1.3	26,369	26,766	26,940	27,346	-3.6
Instruments and related products	57,429	58,421	59,222	-1.7	-1.4	+0.2	57,696	58,862	59,999	64,999	-11.2
Search and navigation equipment	40,449	41,112	41,947	-1.6	-2.0	+0.6	40,697	41,562	42,765	47,220	-13.8
Measuring and controlling devices	8,244	8,369	8,239	-1.5	+1.6	+0.4	8,244	8,369	8,239	8,431	-2.2
Medical instruments and supplies	7,761	7,949	7,997	-2.4	-0.6	-1.4	7,761	7,949	7,997	8,179	-5.1
All other durable goods	6,638	6,520	6,768	+1.8	-3.7	-3.9	7,156	6,601	6,415	7,712	-7.2
Nondurable goods industries	20,385	20,482	20,395	-0.5	+0.4	-1.0	20,714	20,816	20,212	21,608	-4.1

p Preliminary. r Revised.

Table 4. VALUE OF MANUFACTURERS' INVENTORIES FOR INDUSTRY GROUPS
(Millions of dollars)

Industry	Seasonally adjusted						Not seasonally adjusted				
	Monthly			Percent Change			Monthly				Percent change
	Apr. 1991[p]	Mar. 1991[r]	Feb. 1991	Mar.-Apr.	Feb.-Mar.	Jan.-Feb.	Apr. 1991[p]	Mar. 1991[r]	Feb. 1991	Apr. 1990	Apr. 91/90
All manufacturing industries	385,313	385,982	388,459	-0.2	-0.6	0.0	387,435	386,434	390,570	388,122	-0.2
Manufacturing industries with unfilled orders	265,218	265,890	267,457	-0.3	-0.6	+0.1	266,961	266,029	268,028	270,813	-1.4
Durable goods industries	249,718	250,405	252,256	-0.3	-0.7	0.0	251,281	251,017	253,719	256,205	-1.9
With unfilled orders	231,117	231,611	233,070	-0.2	-0.6	0.0	232,597	231,769	233,749	236,970	-1.8
Stone, clay, and glass products	8,084	8,138	8,243	-0.7	-1.3	+0.2	8,271	8,275	8,399	7,940	+4.2
Primary metals	23,088	23,265	23,216	-0.8	+0.2	-0.2	23,079	23,141	23,268	22,500	+2.6
Blast furnaces, steel mills	11,265	11,426	11,368	-1.4	+0.5	-0.3	11,119	11,198	11,283	10,815	+2.8
Iron and steel foundries	1,432	1,398	1,425	+2.4	-1.9	-1.4	1,486	1,463	1,472	1,445	+2.8
Nonferrous and other primary metals	10,391	10,441	10,423	-0.5	+0.2	+0.1	10,474	10,480	10,513	10,240	+2.3
Fabricated metal products	24,014	24,272	24,717	-1.1	-1.8	+0.8	24,320	24,547	24,860	25,204	-3.5
Industrial machinery and equipment	48,013	47,921	48,198	+0.2	-0.6	+0.5	48,245	47,906	48,675	48,875	-1.3
Engines and turbines	3,803	3,820	3,849	-0.4	-0.8	+1.1	3,783	3,697	3,705	3,458	+9.4
Farm and garden machinery	2,441	2,482	2,519	-1.7	-1.5	+1.1	2,483	2,622	2,663	2,582	-3.8
Construction, mining and material handling equipment	6,916	6,873	6,878	+0.6	-0.1	+0.2	7,013	6,924	7,013	6,670	+5.1
Metalworking machinery	5,014	5,025	4,981	-0.2	+0.9	-0.1	5,054	4,987	4,990	5,152	-1.9
Computer and office equipment	10,809	10,806	11,025	0.0	-2.0	0.0	10,820	10,613	11,092	11,980	-9.7
Electronic and other electrical equipment	29,711	29,719	29,698	0.0	+0.1	-0.8	30,060	29,746	29,722	31,423	-4.3
Electrical transmission and distribution equipment and industrial apparatus	4,279	4,357	4,321	-1.8	+0.8	+0.7	4,378	4,389	4,352	4,748	-7.8
Household appliances	2,314	2,367	2,449	-2.2	-3.3	-1.7	2,455	2,445	2,519	3,091	-20.6
Electric lighting and wiring equipment	3,368	3,389	3,395	-0.6	-0.2	+1.1	3,398	3,365	3,347	3,442	-1.3
Household audio and video equipment	957	1,044	1,075	-8.3	-2.9	-2.3	968	1,002	1,049	1,229	-21.2
Communications equipment	5,938	5,778	5,634	+2.8	+2.6	+0.1	5,894	5,728	5,616	6,012	-2.0
Electronic components	9,224	9,139	9,120	+0.9	+0.2	-2.2	9,252	9,111	9,083	9,135	+1.3
Transportation equipment	73,057	73,116	73,551	-0.1	-0.6	+0.1	73,248	73,253	73,856	73,382	-0.2
Motor vehicles and parts	12,875	12,919	13,228	-0.3	-2.3	+1.1	12,776	12,971	13,716	12,126	+5.4
Aircraft, missiles, space vehicles, and parts	56,265	56,180	56,136	+0.2	+0.1	0.0	56,561	56,294	55,955	56,533	0.0
Shipbuilding and tanks	1,870	1,996	2,001	-6.3	-0.2	-3.1	1,897	1,965	1,957	2,439	-22.2
Instruments and related products	23,751	23,640	23,928	+0.5	-1.2	-0.2	24,028	23,677	23,995	25,574	-6.0
Search and navigation equipment	8,868	8,774	9,032	+1.1	-2.9	0.0	8,971	8,754	9,123	10,030	-10.6
Measuring and controlling devices	6,270	6,217	6,258	+0.9	-0.7	-0.7	6,276	6,243	6,243	6,687	-6.1
Medical instruments and supplies	5,271	5,252	5,281	+0.4	-0.5	-0.4	5,382	5,325	5,308	5,159	+4.3
Photographic goods	2,706	2,769	2,727	-2.3	+1.5	+0.8	2,755	2,725	2,697	3,011	-8.5
All other durable goods	20,000	20,334	20,705	-1.6	-1.8	-0.4	20,030	20,472	20,944	21,307	-6.0
Nondurable goods industries	135,595	135,577	136,203	0.0	-0.5	0.0	136,154	135,417	136,851	131,917	+3.2
With unfilled orders	34,101	34,279	34,387	-0.5	-0.3	+0.6	34,364	34,260	34,279	33,843	+1.5
Food and kindred products	28,404	28,221	28,137	+0.6	+0.3	+0.2	27,787	27,593	28,337	26,471	+5.0
Meat products	3,008	2,976	3,023	+1.1	-1.6	+1.0	3,128	3,034	3,104	2,951	+6.0
Dairy products	2,503	2,493	2,473	+0.4	+0.8	+1.8	2,528	2,473	2,464	2,443	+3.5
Beverages	4,692	4,693	4,654	0.0	+0.8	-0.4	4,772	4,755	4,742	4,711	+1.3
All other foods, except fats and oils	16,732	16,575	16,470	+0.9	+0.6	-0.2	15,795	15,770	16,405	15,013	+5.2
Tobacco products	5,873	5,662	5,720	+3.7	-1.0	+1.4	5,949	5,766	6,077	5,400	+10.2
Textile mill products	8,646	8,699	8,861	-0.6	-1.8	-0.3	8,833	8,724	8,921	9,358	-5.6
Broadwoven fabrics and other textiles	5,134	5,138	5,234	-0.1	-1.8	+0.6	5,232	5,153	5,302	5,446	-3.9
Paper and allied products	13,734	13,771	13,695	-0.3	+0.6	+1.1	13,862	13,838	13,818	13,306	+4.2
Pulp, paper, and paperboard mill products	5,628	5,603	5,530	+0.4	+1.3	+1.6	5,707	5,688	5,662	5,237	+9.0
Paperboard containers and boxes	3,205	3,325	3,344	-3.6	-0.6	+2.0	3,234	3,313	3,318	3,367	-4.0
Miscellaneous converted paper products	4,901	4,843	4,821	+1.2	+0.5	-0.1	4,921	4,837	4,838	4,702	+4.7
Chemicals and allied products	32,752	32,805	32,762	-0.2	+0.1	+0.3	33,075	33,189	33,121	31,343	+5.5
Industrial chemicals	16,817	16,900	16,838	-0.5	+0.4	+0.2	16,935	17,068	17,065	16,109	+5.1
Drugs, soaps, and toiletries	11,164	11,102	11,073	+0.6	+0.3	+0.6	11,242	10,973	10,918	10,572	+6.3
Petroleum and coal products	11,456	11,586	11,871	-1.1	-2.4	-3.3	11,562	11,470	11,823	11,194	+3.3
Rubber and plastics products	11,826	11,766	11,959	+0.5	-1.6	-0.8	12,006	11,974	12,073	11,333	+5.9
All other nondurable goods	22,904	23,067	23,198	-0.7	-0.6	+0.6	23,080	22,863	22,681	23,512	-1.8

[p] Preliminary. [r] Revised.

Table 5. VALUE OF MANUFACTURERS' SHIPMENTS AND NEW ORDERS FOR TOPICAL SERIES[1]
(Millions of dollars)

Industry	Seasonally adjusted						Not seasonally adjusted [2]						
	Monthly			Percent Change			Monthly				Percent change	Year to date	
	Apr. 1991p	Mar. 1991r	Feb. 1991	Mar.-Apr.	Feb.-Mar.	Jan.-Feb.	Apr. 1991p	Mar. 1991r	Feb. 1991	Apr. 1990	Apr. 91/90	1991p	1990
SHIPMENTS													
All manufacturing industries	234,666	228,715	233,215	+2.6	-1.9	-0.6	235,377	238,810	231,617	238,966	-1.5	920,059	942,701
Market categories :													
Automotive equipment	7,833	6,686	7,045	+17.2	-5.1	-0.6	8,462	7,150	7,521	9,337	-9.4	29,850	34,820
Home goods and apparel	14,332	13,910	13,930	+3.0	-0.1	-0.8	13,698	14,394	14,178	13,115	+4.4	54,398	54,731
Consumer staples	54,900	55,191	55,603	-0.5	-0.7	-0.1	53,667	56,224	54,377	53,019	+1.2	216,251	210,440
Machinery and equipment	38,822	36,730	38,199	+5.7	-3.8	+0.2	38,585	40,120	37,381	38,310	+0.7	148,646	152,363
Business supplies	19,392	19,301	19,576	+0.5	-1.4	-0.9	19,787	19,620	19,302	19,901	-0.6	77,478	76,418
Construction materials and supplies	12,999	12,563	12,789	+3.5	-1.8	-1.2	13,299	12,788	12,288	14,572	-8.7	49,765	56,195
Defense products	8,751	8,539	8,526	+2.5	+0.2	+1.9	8,364	8,973	8,153	8,348	+0.2	32,417	33,374
Other materials, supplies and and intermediate products	77,637	75,795	77,547	+2.4	-2.3	-1.3	79,515	79,541	78,417	82,364	-3.5	311,254	324,360
Durable goods industries :													
Nondefense capital goods [3]	31,851	31,405	32,213	+1.4	-2.5	+1.6	30,960	34,744	31,004	30,340	+2.0	123,109	123,357
Excluding aircraft and parts	25,741	25,815	25,588	-0.3	+0.9	-1.3	24,847	28,553	24,757	25,208	-1.4	99,991	103,575
Defense capital goods [4]	8,769	8,566	8,498	+2.4	+0.8	+3.6	8,245	8,994	7,974	8,206	+0.5	31,861	32,757
Durables excluding capital goods	78,886	74,516	76,721	+5.9	-2.9	-1.3	81,437	78,311	77,936	86,285	-5.6	309,257	335,534
Miscellaneous series :													
Producers' durable equipment	75,763	71,793	73,608	+5.5	-2.5	-1.4	76,591	77,664	74,124	78,161	-2.0	294,608	308,983
Household durable goods	6,440	6,215	6,242	+3.6	-0.4	-2.2	6,294	6,677	6,276	6,105	+3.1	24,707	25,172
Information technology industries	14,393	14,009	14,232	+2.7	-1.6	-2.5	12,910	15,811	13,195	12,726	+1.4	53,729	54,408
Health care equipment and products	7,239	6,710	7,078	+7.9	-5.2	+1.1	6,948	6,974	7,177	6,419	+8.2	28,008	26,106
NEW ORDERS													
All manufacturing industries	230,506	226,431	233,132	+1.8	-2.9	-0.6	231,173	238,355	234,071	240,112	-3.7	921,042	956,687
Market categories :													
Automotive equipment	7,845	6,660	7,049	+17.8	-5.5	-1.0	8,473	7,147	7,533	9,391	-9.8	29,924	34,874
Home goods and apparel	14,489	13,925	13,668	+4.1	+1.9	+1.8	14,079	14,801	14,481	13,247	+6.3	55,893	56,216
Consumer staples	54,835	55,209	55,599	-0.7	-0.7	-0.1	53,605	56,238	54,348	52,990	+1.2	216,166	210,318
Machinery and equipment	35,848	36,967	39,282	-3.0	-5.9	-1.7	35,905	40,342	38,561	39,089	-8.1	149,713	160,716
Business supplies	19,286	19,159	19,509	+0.7	-1.8	-1.8	19,720	19,475	19,279	19,910	-1.0	77,391	76,620
Construction materials and supplies	13,065	12,644	12,655	+3.3	-0.1	-1.4	13,427	12,982	12,255	14,662	-8.4	50,058	56,346
Defense products	7,668	7,013	7,921	+9.3	-11.5	+0.7	6,230	7,637	8,204	6,879	-9.4	28,586	31,489
Other materials, supplies and and intermediate products	77,470	74,854	77,449	+3.5	-3.4	-0.4	79,734	79,733	79,410	83,944	-5.0	313,311	330,108
Durable goods industries :													
Nondefense capital goods [3]	28,706	31,940	33,756	-10.1	-5.4	-0.6	27,908	34,963	32,596	31,717	-12.0	124,745	132,520
Excluding aircraft and parts	24,641	23,762	25,489	+3.7	-6.8	-3.6	23,840	26,184	24,707	25,179	-5.3	97,734	103,366
Defense capital goods [4]	7,522	6,692	7,922	+12.4	-15.5	+3.1	6,109	7,531	8,200	6,948	-12.1	28,256	31,035
Durables excluding capital goods	79,215	73,484	75,869	+7.8	-3.1	-0.4	82,523	78,496	78,362	87,356	-5.5	311,436	341,013
Miscellaneous series :													
Producers' durable equipment	73,301	70,938	73,737	+3.3	-3.8	-4.0	74,620	77,166	74,695	78,556	-5.0	296,337	317,109
Household durable goods	6,524	6,167	6,092	+5.8	+1.2	+2.7	6,590	6,895	6,424	6,221	+5.9	25,702	26,226
Information technology industries	13,699	13,430	14,994	+2.0	-10.4	+4.2	12,431	15,163	14,043	12,911	-3.7	53,350	53,810
Health care equipment and products	7,052	6,661	6,960	+5.9	-4.3	-1.3	6,762	6,926	7,059	6,312	+7.1	27,706	26,351

p Preliminary. r Revised.

1 Topical series are regroupings of the separate industry categories.

2 Shipments and new orders are the totals for the period and are adjusted for trading-day and calendar-month variations.

3 Nondefense capital goods industries include : ordnance and accessories; steam, gas and hydraulic turbines; internal combustion engines; construction, mining, and material handling equipment; metalworking machinery; special industry machinery; general industrial machinery; computer and office equipment; refrigeration, heating and service industry machinery; electrical transmission and distribution equipment; electrical industrial apparatus; communications equipment; aircraft, missiles, space vehicles, and engines and parts; ships and tank components; railroad equipment; and search and navigation equipment.

4 Defense capital goods industries include : ordnance and accessories; communications equipment; aircraft, missiles, space vehicles, and engines and parts; ships, tanks and tank components; and search and navigation equipment.

Table 6. VALUE OF MANUFACTURERS' UNFILLED ORDERS AND TOTAL INVENTORIES FOR TOPICAL SERIES[1]
(Millions of dollars)

Industry	Seasonally adjusted						Not seasonally adjusted				
	Monthly			Percent Change			Monthly				Percent change
	Apr. 1991[p]	Mar. 1991[r]	Feb. 1991	Mar.-Apr.	Feb.-Mar.	Jan.-Feb.	Apr. 1991[p]	Mar. 1991[r]	Feb. 1991	Apr. 1990	Apr. 91/90
UNFILLED ORDERS											
All manufacturing industries	520,582	524,742	527,026	-0.8	-0.4	0.0	525,055	529,259	529,714	531,808	-1.3
Market categories :											
Automotive equipment	1,865	1,853	1,879	+0.6	-1.4	+0.2	1,910	1,900	1,902	2,073	-7.9
Home goods and apparel	7,885	7,729	7,714	+2.0	+0.2	-3.3	8,489	8,108	7,700	8,250	+2.9
Consumer staples	1,239	1,304	1,287	-5.0	+1.3	-0.3	1,238	1,300	1,285	1,339	-7.5
Machinery and equipment	229,208	232,182	231,945	-1.3	+0.1	+0.5	229,395	232,075	231,853	213,972	+7.2
Business supplies	5,782	5,888	6,030	-1.8	-2.4	-1.1	5,791	5,858	6,003	6,065	-4.5
Construction materials and supplies	12,451	12,385	12,304	+0.5	+0.7	-1.1	12,697	12,569	12,376	13,018	-2.5
Defense products	138,447	139,530	141,057	-0.8	-1.1	-0.4	139,849	141,983	143,318	154,537	-9.5
Other materials, supplies and and intermediate products	123,705	123,871	124,810	-0.1	-0.8	-0.1	125,686	125,466	125,277	132,554	-5.2
Durable goods industries :											
Nondefense capital goods [3]	251,479	254,624	254,089	-1.2	+0.2	+0.6	251,480	254,532	254,313	235,290	+6.9
Excluding aircraft and parts	85,108	86,208	88,261	-1.3	-2.3	-0.1	85,109	86,116	88,485	89,453	-4.9
Defense capital goods [4]	147,500	148,747	150,621	-0.8	-1.2	-0.4	149,171	151,307	152,770	164,568	-9.4
Durables excluding capital goods	101,218	100,889	101,921	+0.3	-1.0	-0.8	103,690	102,604	102,419	110,342	-6.0
Miscellaneous series :											
Producers' durable equipment	256,251	258,713	259,568	-1.0	-0.3	0.0	257,169	259,140	259,638	244,556	+5.2
Household durable goods	4,638	4,554	4,602	+1.8	-1.0	-3.2	5,093	4,797	4,579	5,614	-9.3
Information technology industries	41,886	42,580	43,159	-1.6	-1.3	+1.8	41,899	42,378	43,026	42,522	-1.5
Health care equipment and products	7,790	7,977	8,026	-2.3	-0.6	-1.4	7,789	7,976	8,024	8,210	-5.1
TOTAL INVENTORIES											
All manufacturing industries	385,313	385,982	388,459	-0.2	-0.6	0.0	387,435	386,434	390,570	388,122	-0.2
Market categories :											
Automotive equipment	6,460	6,472	6,677	-0.2	-3.1	+0.3	6,445	6,528	6,940	6,534	-1.4
Home goods and apparel	25,357	25,703	26,180	-1.3	-1.8	-0.4	25,806	25,615	26,010	28,650	-9.9
Consumer staples	54,816	54,466	54,589	+0.6	-0.2	0.0	54,481	53,818	54,858	51,624	+5.5
Machinery and equipment	87,891	87,738	87,612	+0.2	+0.1	0.0	88,664	87,883	88,386	88,172	+0.6
Business supplies	22,314	22,423	22,553	-0.5	-0.6	+0.1	22,391	22,473	22,505	22,099	+1.3
Construction materials and supplies	23,365	23,637	23,922	-1.2	-1.2	+0.2	23,602	23,854	24,163	23,840	-1.0
Defense products	35,059	35,035	35,452	+0.1	-1.2	+0.8	35,194	35,161	35,212	38,397	-8.3
Other materials, supplies and and intermediate products	130,051	130,508	131,474	-0.4	-0.7	-0.1	130,852	131,102	132,496	128,806	+1.6
Durable goods industries :											
Nondefense capital goods [3]	84,195	83,985	83,908	+0.3	+0.1	-0.3	84,823	83,812	84,425	84,516	+0.4
Excluding aircraft and parts	56,012	55,873	56,234	+0.2	-0.6	+0.1	56,414	55,683	56,542	58,515	-3.6
Defense capital goods [4]	37,598	37,553	37,999	+0.1	-1.2	+0.7	37,751	37,658	37,672	40,992	-7.9
Durables excluding capital goods	127,925	128,867	130,349	-0.7	-1.1	0.0	128,707	129,547	131,622	130,697	-1.5
Miscellaneous series :											
Producers' durable equipment	141,672	141,866	142,665	-0.1	-0.6	+0.2	142,796	142,381	144,059	145,368	-1.8
Household durable goods	12,196	12,442	12,758	-2.0	-2.5	-0.4	12,387	12,433	12,803	13,852	-10.6
Information technology industries	27,644	27,485	27,866	+0.6	-1.4	-0.3	27,719	27,221	27,881	30,221	-8.3
Health care equipment and products	11,357	11,303	11,320	+0.5	-0.2	+0.1	11,512	11,310	11,265	10,925	+5.4

See footnotes at end of table 5.

Table 7. VALUE OF MANUFACTURERS' INVENTORIES, BY STAGE OF FABRICATION, BY INDUSTRY GROUP
(Millions of dollars)

Industry	Seasonally adjusted						Not seasonally adjusted				
	Monthly			Percent Change			Monthly				Percent change
	Apr. 1991[p]	Mar. 1991[r]	Feb. 1991	Mar.-Apr.	Feb.-Mar.	Jan.-Feb.	Apr. 1991[p]	Mar. 1991[r]	Feb. 1991	Apr. 1990	Apr. 91/90
MATERIALS AND SUPPLIES											
All manufacturing industries	118,903	119,762	120,686	-0.7	-0.8	-0.5	118,558	119,652	121,281	118,813	-0.2
Durable goods industries	69,378	70,101	70,980	-1.0	-1.2	-0.3	68,867	69,825	71,134	70,079	-1.7
Stone, clay, and glass products	2,491	2,524	2,563	-1.3	-1.5	-0.2	2,492	2,512	2,585	2,506	-0.6
Primary metals	7,219	7,269	7,346	-0.7	-1.0	+0.8	6,961	6,994	7,300	7,048	-1.2
Fabricated metal products	8,363	8,521	8,594	-1.9	-0.8	+1.2	8,323	8,569	8,626	9,006	-7.6
Industrial machinery and equipment	13,187	13,154	13,194	+0.3	-0.3	-1.5	13,133	13,112	13,232	13,218	-0.6
Electronic and other electrical equipment	9,072	9,140	9,296	-0.7	-1.7	-0.9	9,137	9,175	9,323	9,860	-7.3
Transportation equipment	14,728	14,969	15,369	-1.6	-2.6	-0.4	14,733	15,004	15,351	14,025	+5.0
Instruments and related products	5,728	5,739	5,716	-0.2	+0.4	-1.2	5,734	5,765	5,759	6,016	-4.7
Lumber, furniture and miscellaneous durable goods	8,590	8,785	8,902	-2.2	-1.3	+0.3	8,354	8,694	8,958	8,400	-0.5
Nondurable goods industries	49,525	49,661	49,706	-0.3	-0.1	-0.7	49,691	49,827	50,147	48,734	+2.0
Food and kindred products	9,466	9,390	9,307	+0.8	+0.9	-0.4	9,537	9,426	9,452	9,150	+4.2
Tobacco products	4,310	4,259	4,170	+1.2	+2.1	+2.3	4,302	4,356	4,366	4,142	+3.9
Textile mill products	2,370	2,458	2,504	-3.6	-1.8	-0.4	2,438	2,457	2,512	2,622	-7.0
Paper and allied products	7,161	7,169	7,191	-0.1	-0.3	-0.2	7,145	7,158	7,225	6,941	+2.9
Chemicals and allied products	11,009	10,938	10,935	+0.6	0.0	-1.1	11,012	10,981	11,072	10,542	+4.4
Petroleum and coal products	3,177	3,289	3,359	-3.4	-2.1	-3.5	3,280	3,309	3,339	3,378	-2.9
Rubber and plastics products	4,246	4,260	4,303	-0.3	-1.0	-1.3	4,203	4,252	4,295	4,163	+1.0
Apparel, printing and publishing and leather goods	7,786	7,898	7,937	-1.4	-0.5	-0.7	7,774	7,888	7,886	7,796	-0.2
WORK IN PROCESS											
All manufacturing industries	140,384	140,644	141,379	-0.2	-0.5	0.0	141,560	140,997	141,381	145,019	-2.4
Durable goods industries	118,115	118,646	119,010	-0.4	-0.3	0.0	119,011	118,962	119,062	122,572	-2.9
Stone, clay, and glass products	1,063	1,079	1,058	-1.5	+2.0	+0.8	1,108	1,126	1,093	1,066	+3.
Primary metals	9,344	9,336	9,262	+0.1	+0.8	-0.1	9,475	9,432	9,231	9,027	+5.
Fabricated metal products	7,920	8,130	8,453	-2.6	-3.8	-1.1	8,095	8,208	8,467	8,538	-5.
Industrial machinery and equipment	21,212	21,623	21,729	-1.9	-0.5	+1.1	21,295	21,640	21,705	21,588	-1.
Electronic and other electrical equipment	12,343	12,263	11,986	+0.7	+2.3	-1.7	12,443	12,199	11,950	12,717	-2.
Transportation equipment	49,144	49,164	49,031	0.0	+0.3	+0.1	49,308	49,281	49,072	51,162	-3.
Instruments and related products	12,828	12,760	13,149	+0.5	-3.0	+0.6	12,969	12,727	13,115	13,965	-7.
Lumber, furniture and miscellaneous durable goods	4,261	4,291	4,342	-0.7	-1.2	-1.0	4,318	4,349	4,429	4,509	-4.
Nondurable goods industries	22,269	21,998	22,369	+1.2	-1.7	-0.3	22,549	22,035	22,319	22,447	+0
Food and kindred products	3,364	3,379	3,456	-0.4	-2.2	-0.2	3,369	3,412	3,472	3,328	+1
Tobacco products	148	166	160	-10.8	+3.8	+0.6	122	148	164	127	-3
Textile mill products	2,465	2,424	2,472	+1.7	-1.9	+0.2	2,479	2,452	2,485	2,606	-4
Paper and allied products	1,315	1,384	1,396	-5.0	-0.9	+2.4	1,328	1,387	1,378	1,439	-7
Chemicals and allied products	5,245	5,156	5,208	+1.7	-1.0	+0.1	5,346	5,099	5,205	5,101	+4
Petroleum and coal products	2,728	2,597	2,643	+5.0	-1.7	-4.0	2,768	2,563	2,591	2,454	+12
Rubber and plastics products	1,656	1,563	1,582	+6.0	-1.2	-1.9	1,638	1,560	1,595	1,567	+4
Apparel, printing and publishing and leather goods	5,348	5,329	5,452	+0.4	-2.3	+0.9	5,499	5,414	5,429	5,825	-5
FINISHED GOODS											
All manufacturing industries	126,026	125,576	126,394	+0.4	-0.6	+0.6	127,317	125,785	127,908	124,290	+2
Durable goods industries	62,225	61,658	62,266	+0.9	-1.0	+0.5	63,403	62,230	63,523	63,554	-0
Stone, clay, and glass products	4,530	4,535	4,622	-0.1	-1.9	+0.4	4,671	4,637	4,721	4,368	+6
Primary metals	6,525	6,660	6,608	-2.0	+0.8	-1.4	6,643	6,715	6,737	6,425	+3
Fabricated metal products	7,731	7,621	7,670	+1.4	-0.6	+2.6	7,902	7,770	7,767	7,660	+3
Industrial machinery and equipment	13,614	13,144	13,275	+3.6	-1.0	+1.4	13,817	13,154	13,738	14,069	-1
Electronic and other electrical equipment	8,296	8,316	8,416	-0.2	-1.2	+0.5	8,480	8,372	8,449	8,846	-4
Transportation equipment	9,185	8,983	9,151	+2.2	-1.8	+1.0	9,207	8,968	9,433	8,195	+12
Instruments and related products	5,195	5,141	5,063	+1.1	+1.5	-1.1	5,325	5,185	5,121	5,593	-4
Lumber, furniture and miscellaneous durable goods	7,149	7,258	7,461	-1.5	-2.7	-0.8	7,358	7,429	7,557	8,398	-12
Nondurable goods industries	63,801	63,918	64,128	-0.2	-0.3	+0.6	63,914	63,555	64,385	60,736	+5
Food and kindred products	15,574	15,452	15,374	+0.8	+0.5	+0.6	14,881	14,755	15,413	13,993	+6
Tobacco products	1,415	1,237	1,390	+14.4	-11.0	-1.1	1,525	1,262	1,547	1,131	+34
Textile mill products	3,811	3,817	3,885	-0.2	-1.8	-0.7	3,916	3,815	3,924	4,130	-5
Paper and allied products	5,258	5,218	5,108	+0.8	+2.2	+2.5	5,389	5,293	5,215	4,926	+9
Chemicals and allied products	16,498	16,711	16,619	-1.3	+0.6	+1.4	16,717	17,109	16,844	15,700	+6
Petroleum and coal products	5,551	5,700	5,869	-2.6	-2.9	-2.9	5,514	5,598	5,893	5,362	+2
Rubber and plastics products	5,924	5,943	6,074	-0.3	-2.2	-0.1	6,165	6,162	6,183	5,603	+10
Apparel, printing and publishing and leather goods	9,770	9,840	9,809	-0.7	+0.3	+1.6	9,807	9,561	9,366	9,891	-0

[p] Prelimary. [r] Revised.

Table 8. RATIOS OF MANUFACTURES' INVENTORIES TO SHIPMENTS AND UNFILLED ORDERS TO SHIPMENTS, BY INDUSTRY GROUP
(Based on seasonally adjusted data)

Industry	Inventory / Shipments ratio				Unfilled Orders / Shipments ratio[1]			
	Apr. 1991[p]	Mar. 1991[r]	Feb. 1991	Jan. 1991	Apr. 1991[p]	Mar. 1991[r]	Feb. 1991	Jan. 1991
All manufacturing industries	1.64	1.69	1.67	1.66	4.02	4.14	4.08	4.08
urable goods industries	2.09	2.19	2.15	2.14	4.95	5.13	5.04	5.03
Stone, clay, and glass products	1.80	1.85	1.81	1.78	1.36	1.35	1.25	1.22
Primary metals	2.18	2.28	2.19	2.09	1.89	1.97	1.94	1.93
Fabricated metal products	1.63	1.67	1.69	1.65	2.04	2.06	2.06	2.05
Industrial machinery and equipment	2.28	2.30	2.31	2.28	2.79	2.86	2.91	2.95
Electronic and other electrical equipment	1.78	1.80	1.80	1.80	3.00	3.00	3.05	2.94
Transportation equipment	2.41	2.68	2.54	2.61	13.52	14.40	13.68	14.20
Instruments and related products	2.35	2.49	2.44	2.44	5.69	6.16	6.04	6.00
ondurable goods industries	1.18	1.19	1.18	1.17	0.72	0.72	0.71	0.72
Food and kindred products	0.87	0.85	0.85	0.87	(X)	(X)	(X)	(X)
Tobacco products	2.78	2.31	2.50	2.29	(X)	(X)	(X)	(X)
Textile mill products	1.72	1.76	1.82	1.82	(NA)	(NA)	(NA)	(NA)
Paper and allied products	1.38	1.38	1.34	1.33	(NA)	(NA)	(NA)	(NA)
Chemicals and allied products	1.36	1.43	1.38	1.35	(X)	(X)	(X)	(X)
Petroleum and coal products	0.85	0.85	0.84	0.79	(X)	(X)	(X)	(X)
Rubber and plastics products	1.55	1.61	1.62	1.61	(X)	(X)	(X)	(X)

[p] Preliminary. [r] Revised. (X) Not applicable. (NA) Not available.

[1] Excludes the following industries with no unfilled orders : Wood and lumber products; glass containers; metal cans, barrels and drums; farm and garden machinery; motor vehicle assembly operations; other transportation equipment; foods and related products; tobacco; knitting mill products; apparel and related products; chemicals; petroleum and coal products; and rubber and plastics products.

Table 9. AVERAGE REVISIONS TO PREVIOUSLY PUBLISHED MONTHLY PERCENT CHANGES
(Based on seasonally adjusted data)

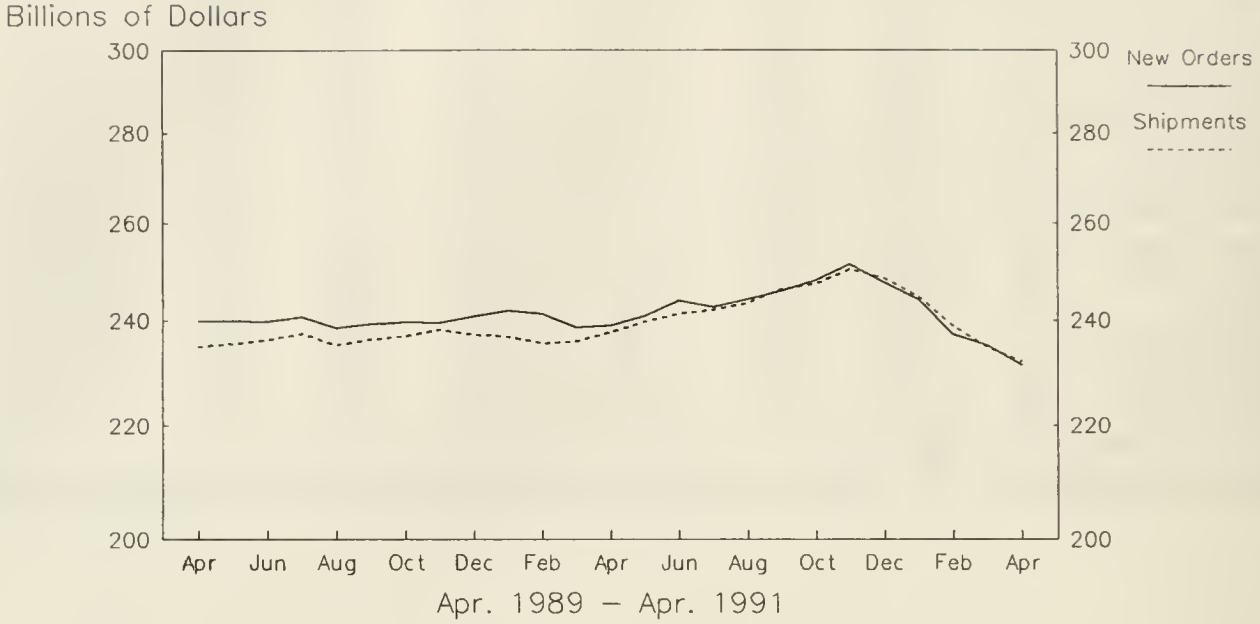
Industry	Shipments			New orders			Unfilled orders			Inventories		
	Apr. 1990	Apr.[1] 1986-1990	Apr. 1990-Mar. 1991	Apr. 1990	Apr.[1] 1986-1990	Apr. 1990-Mar. 1991	Apr. 1990	Apr.[1] 1986-1990	Apr. 1990-Mar. 1991	Apr. 1990	Apr.[1] 1986-1990	Apr. 1990-Mar. 1991
All manufacturing industries	0.2	0.3	0.2	0.1	0.2	0.1	0.1	0.1	0.0	0.0	0.0	0.0
urable goods industries	0.2	0.3	0.3	0.1	0.5	0.3	0.0	0.1	0.0	0.1	0.4	0.1
Stone, clay, and glass products	0.8	1.3	0.5	0.3	0.9	0.6	1.1	0.8	0.4	0.2	0.2	0.3
Primary metals	0.1	0.2	0.4	0.3	0.8	0.8	0.1	0.4	0.2	0.1	0.1	0.1
Fabricated metal products	0.6	0.7	0.6	1.1	1.1	0.7	0.3	0.3	0.2	0.0	0.2	0.4
Industrial machinery and equipment	0.8	0.9	0.6	0.9	1.6	0.9	0.0	0.3	0.2	0.0	0.0	0.0
Electronic and other electrical equipment	0.2	0.5	0.3	0.3	0.6	0.9	0.1	0.1	0.2	0.1	0.2	0.1
Transportation equipment	0.8	0.3	0.6	1.2	1.5	0.6	0.0	0.2	0.0	0.0	0.0	0.1
Instruments and related products	0.2	0.7	0.4	0.1	0.8	1.8	0.1	0.3	0.2	0.0	0.1	0.2
ondurable goods industries	0.1	0.3	0.2	0.1	0.3	0.2	1.3	0.5	0.4	0.0	0.1	0.1
Food and kindred products	0.3	0.5	0.2	(X)	(X)	(X)	(X)	(X)	(X)	0.1	0.3	0.2
Tobacco products	0.0	0.1	0.6	(X)	(X)	(X)	(X)	(X)	(X)	0.0	0.3	0.0
Textile mill products	1.9	1.1	0.8	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	0.5	0.5	0.2
Paper and allied products	0.3	0.8	0.3	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	0.0	0.2	0.2
Chemicals and allied products	0.1	0.7	0.4	(X)	(X)	(X)	(X)	(X)	(X)	0.2	0.3	0.1
Petroleum and coal products	0.1	0.9	0.5	(X)	(X)	(X)	(X)	(X)	(X)	0.0	0.3	0.2
Rubber and plastics products	2.0	0.9	0.9	(X)	(X)	(X)	(X)	(X)	(X)	0.3	0.2	0.3
apital goods industries :												
Nondefense	0.5	0.7	0.5	0.7	1.1	0.6	0.1	0.1	0.0	0.0	0.0	0.1
Defense	1.1	0.4	0.7	3.2	3.5	3.3	0.1	0.2	0.0	0.0	0.0	0.1

(X) Not applicable. (NA) Not available.

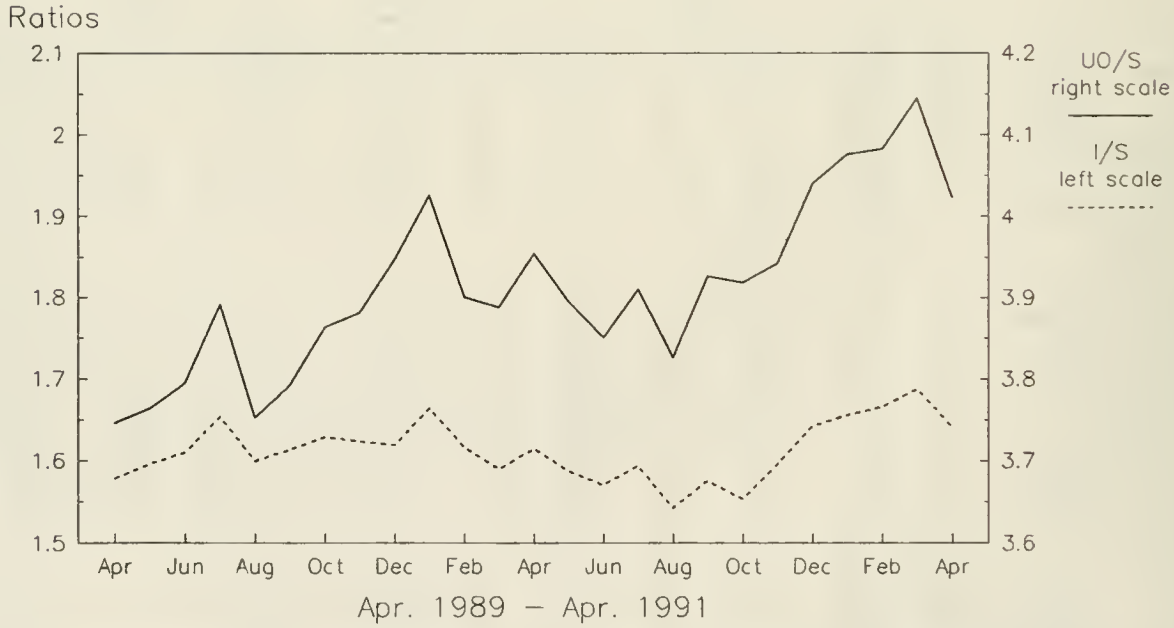
Note : The revisions are the differences between the month-to-month percent changes of the preliminary and final estimates. The monthly averages are the simple averages of the absolute values of the differences for the months specified. The advance to final percent change revisions for the durable goods industries are shown in the advance report for the month.

[1] Average for this month for the last five years.

Total Manufacturing
New Orders and Shipments
Three Month Moving Averages

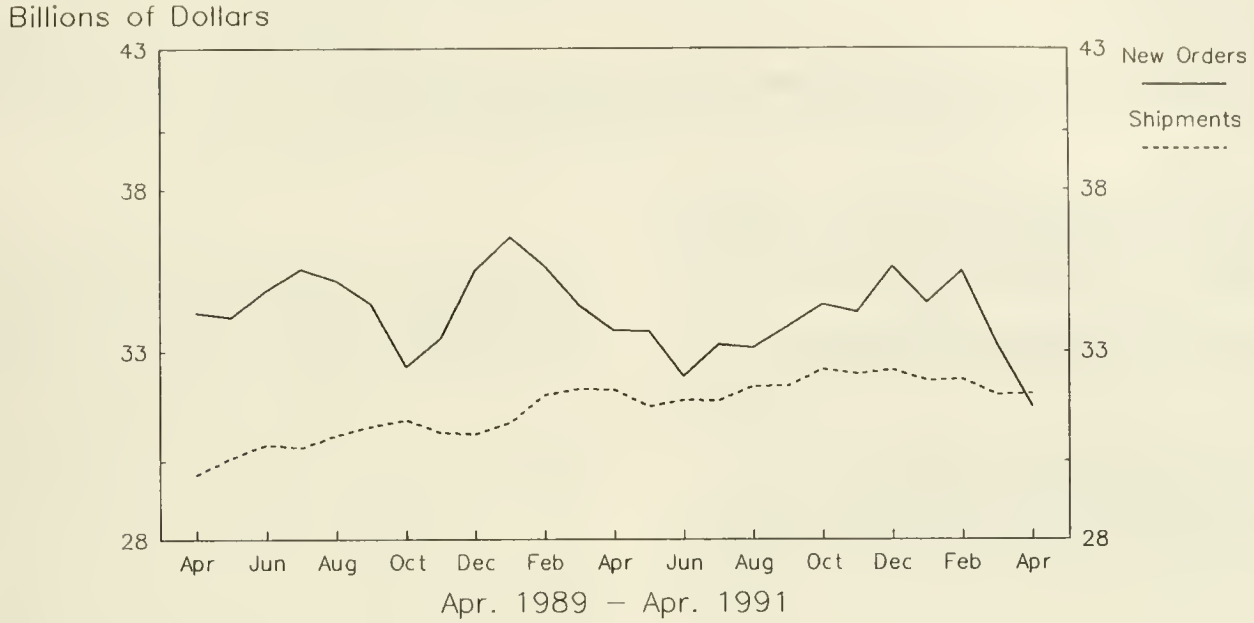


Total Manufacturing
Ratios of Unfilled Orders and
Inventories to Shipments

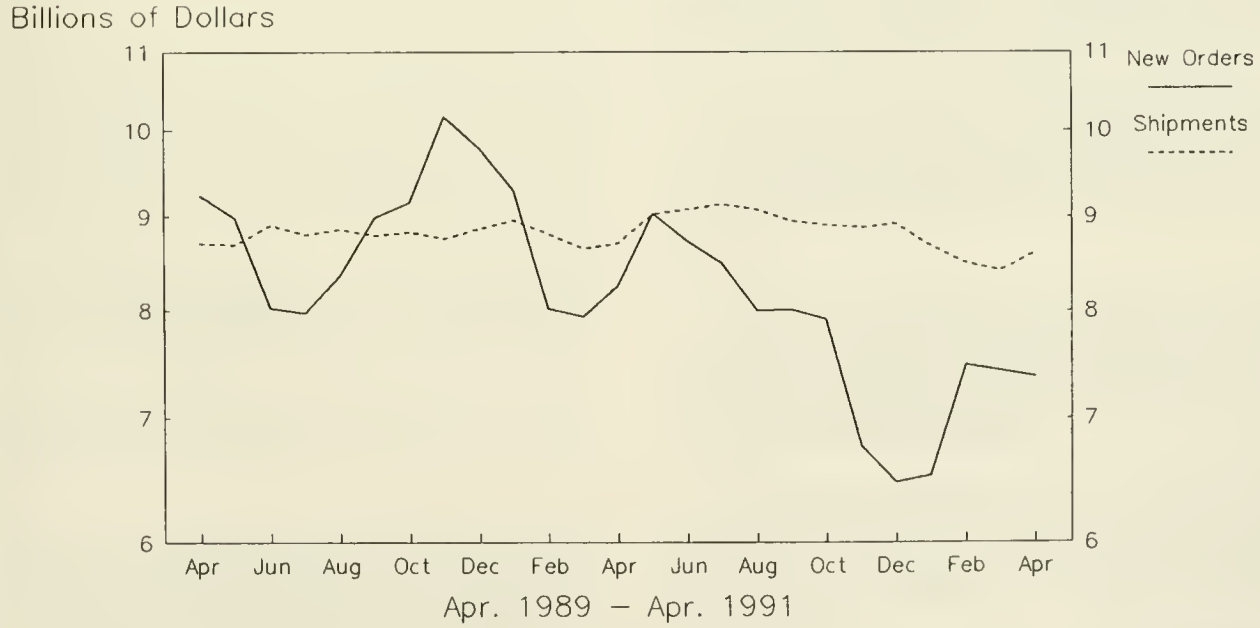


Note: All Charts based on seasonally adjusted current dollars.

Nondefense Capital Goods
New Orders and Shipments
Three Month Moving Averages



Defense Capital Goods
New Orders and Shipments
Three Month Moving Averages



Note: All Charts based on seasonally adjusted current dollars.

U.S. Department of Commerce
BUREAU OF THE CENSUS
Washington, D.C. 20233

Official Business

Penalty for Private Use, $300

U.S.MAIL

POSTAGE AND FEES PAI
U.S. DEPARTMENT OF COMMERC

COM-20

First Class Mail

.158:M 3-1-(91)-5
ent Industrial Reports,...

AUG 13 1991

Manufacturers' Shipments, Inventories, and Orders

May 1991

U. S. Department of Commerce
BUREAU OF THE CENSUS

M3-1-(91)-5
For Wire Transmissions 10:00 a.m. E.D.T. Tuesday, July 2, 1991

(All figures in text are in seasonally adjusted current dollars)

Summary

New orders for manufactured goods in May increased $6.8 billion or 2.9 percent to $238.0 billion, the Department of Commerce, Bureau of the Census reported today. The May increase and a 2.1 percent increase for April followed five months of declining orders. The May increase is the largest since a 4.4 percent increase in March 1990. Both the durable and nondurable sectors were up.

Shipments were up $3.1 billion or 1.3 percent to $238.0 billion. This followed a 2.7 percent increase in April and declines in each of the five preceding months. Both the durable and nondurable sectors increased in May.

Unfilled orders in May were flat, at $521.1 billion and are at the lowest level since February 1990, when they were $520.7 billion. Decreases in durable goods offset increases in nondurable goods.

Inventories decreased $3.2 billion or 0.8 percent to $382.0 billion. Inventories have declined five of the past six months since reaching the high in November 1990 of $392.4 billion. Both the durable and nondurable sectors declined in May with most of the decrease in durables. The inventories to shipments ratio in May decreased to 1.60 from 1.64 in April.

New Orders

Orders for durable goods were up $3.9 billion or 3.4 percent to $120.1 billion. This is the second consecutive increase following three months of declines. Most of the May increase was in transportation equipment, up $3.1 billion or 11.4 percent to $30.6 billion with nearly all categories increasing.

New orders for electronic and other electrical equipment decreased $0.5 billion or 2.7 percent to $16.9 billion, and fabricated metal products decreased $0.2 billion or 1.2 percent to $14.7 billion.

New orders for nondurable goods increased $2.8 billion or 2.5 percent to $117.9 billion. All major industries except rubber and plastics had increases.

Shipments

Shipments for durable goods in May increased $1.2 billion or 1.0 percent to $120.9 billion. The May increase and a 4.6 percent increase in April follow five consecutive declines. Most of the May increase was attributed to transportation equipment, up $0.9 billion or 2.9 percent to $31.3 billion. Within the transportation industry motor vehicles and parts increased $1.1 billion or 6.4 percent to $18.5 billion. Electronic and other electrical equipment increased $0.5 billion or 2.7 percent to $17.2 billion.

Industrial machinery and equipment decreased $0.2 billion or 1.0 percent to $20.7 billion, and instruments and related products decreased $0.1 billion or 1.3 percent to $10.0 billion.

Shipments of nondurable goods increased $1.9 billion or 1.7 percent to $117.1 billion. Within the major categories, increases were widespread with tobacco products, chemicals and allied products, and petroleum and coal products each increasing $0.5 billion, and food and kindred products up $0.4 billion.

Unfilled Orders

Unfilled orders for durable goods decreased $0.8 billion or 0.2 percent to $499.8 billion. After three consecutive declines, unfilled orders for durable goods are at their lowest level since February 1990 when they were $499.6 billion. Excluding aircraft, durable goods unfilled orders increased $0.6 billion or 0.2 percent to $258.2 billion.

The largest decline in unfilled orders was in transportation equipment, down $0.7 billion or 0.3 percent to $277.5 billion. Electronic and other electrical equipment decreased $0.3 billion or 0.7 percent to $49.7 billion.

Unfilled orders for nondurable goods in May increased $0.8 billion or 4.1 percent to $21.2 billion. This is the largest increase since the February 1987 increase of 5.3 percent. The nondurable unfilled orders are at their highest level since May 1990 when they were $21.3 billion.

Inventories

Inventories for durable goods in May were down $2.5 billion or 1.0 percent to $247.0 billion, with most of the industries declining. Durable goods inventories are at their lowest level since March 1989 when they were also $247.0 billion. Nondurable goods inventories decreased $0.6 billion or 0.5 percent to $135.0 billion.

By stage of fabrication, finished goods inventories decreased 1.6 percent in durables and 0.5 percent in nondurables. Work in process was down 0.7 percent in durables and 0.5 percent in nondurables. Materials and supplies decreased 1.0 percent in durables and 0.4 percent in nondurables.

The advance report on durable goods for June is scheduled for July 24, 1991 at 8:30 a.m. and the full report on July 31, 1991 at 10:00 a.m. Address inquiries concerning these figures to U.S. Department of Commerce, Bureau of the Census, Industry Division, Washington, DC 20233 or call Kathleen Menth or Gloria Cable, (301) 763-2502 or (301) 763-2512.
For sale by the Superintendent of Documents, U.S. Government Printing Office, Washington, DC 20402. This report is also available the day of issue through the Department of Commerce's online Economic Bulletin Board (N-8-1) (202-377-3870) and through the Census Bureau's online information service-CENDATA. CENDATA is available from Dialog Information Services, INC. (1-800-334-2464) and CompuServe (1-800-848-8199). The CENDATA staff at the Bureau of the Census (301-763-2074) can provide content information and general guidance.

Table 1. VALUE OF MANUFACTURERS' SHIPMENTS FOR INDUSTRY GROUPS
(Millions of dollars)

Industry	Seasonally adjusted						Not seasonally adjusted[1]						
	Monthly			Percent Change			Monthly				Percent change	Year to date	
	May 1991[p]	Apr. 1991[r]	Mar. 1991	Apr.-May	Mar.-Apr.	Feb.-Mar.	May 1991[p]	Apr. 1991[r]	Mar. 1991	May 1990	May 91/90	1991[p]	1990
All manufacturing industries	238,028	234,886	228,715	+1.3	+2.7	-1.9	240,469	235,069	238,810	245,007	-1.9	1,160,220	1,187,708
Manufacturing industries with unfilled orders	129,924	129,334	126,600	+0.5	+2.2	-1.9	129,947	128,541	133,761	135,378	-4.0	636,127	660,335
Durable goods industries	120,923	119,721	114,487	+1.0	+4.6	-2.5	123,470	120,571	122,049	129,954	-5.0	587,626	621,602
With unfilled orders	101,778	101,343	98,324	+0.4	+3.1	-2.1	102,331	100,591	104,992	106,454	-3.9	496,485	515,962
Stone, clay, and glass products	4,615	4,556	4,397	+1.3	+3.6	-3.2	4,762	4,757	4,402	5,487	-13.2	22,244	26,178
Primary metals	10,622	10,626	10,220	0.0	+4.0	-3.8	10,797	10,966	10,650	12,201	-11.5	53,758	60,571
Blast furnaces, steel mills	4,255	4,135	3,900	+2.9	+6.0	-8.9	4,408	4,327	4,110	5,096	-13.5	21,643	24,998
Iron and steel foundries	860	851	830	+1.1	+2.5	-1.8	937	897	850	1,041	-10.0	4,311	4,781
Nonferrous and other primary metals	5,507	5,640	5,490	-2.4	+2.7	-0.1	5,452	5,742	5,690	6,064	-10.1	27,804	30,792
Fabricated metal products	14,700	14,711	14,532	-0.1	+1.2	-0.6	15,385	15,017	15,443	16,713	-7.9	74,014	78,625
Industrial machinery and equipment	20,676	20,890	20,840	-1.0	+0.2	-0.3	20,371	20,557	23,286	21,507	-5.3	102,352	108,377
Engines and turbines	1,486	1,350	1,374	+10.1	-1.7	+7.2	1,429	1,302	1,564	1,314	+8.8	6,610	6,586
Farm and garden machinery	1,236	1,293	1,245	-4.4	+3.9	-4.8	1,386	1,626	1,537	1,602	-13.5	7,115	8,045
Construction, mining and material handling equipment	2,797	2,889	2,661	-3.2	+8.6	-7.1	2,881	3,034	2,889	2,825	+2.0	14,288	14,136
Metalworking machinery	1,768	1,688	1,669	+4.7	+1.1	-3.4	1,745	1,589	1,889	1,981	-11.9	8,394	10,018
Computer and office equipment	5,751	5,860	5,852	-1.9	+0.1	+1.5	5,067	4,725	6,992	5,172	-2.0	26,151	26,684
Electronic and other electrical equipment	17,209	16,755	16,525	+2.7	+1.4	0.0	16,998	16,197	17,443	16,621	+2.3	81,855	81,410
Electrical transmission and distribution equipment and industrial apparatus	2,299	2,294	2,318	+0.2	-1.0	+3.9	2,300	2,302	2,524	2,394	-3.9	11,479	11,951
Household appliances	1,574	1,550	1,451	+1.5	+6.8	-0.3	1,623	1,589	1,568	1,560	+4.0	7,544	7,783
Electric lighting and wiring equipment	1,332	1,347	1,309	-1.1	+2.9	+1.4	1,292	1,253	1,326	1,259	+2.6	6,322	6,232
Household audio and video equipment	844	856	814	-1.4	+5.2	+3.8	677	679	791	598	+13.2	3,539	3,221
Communications equipment	4,203	3,958	3,897	+6.2	+1.6	-3.6	4,212	3,777	4,229	3,868	+8.9	19,672	18,993
Electronic components	5,379	5,226	5,124	+2.9	+2.0	-1.2	5,390	5,238	5,406	5,223	+3.2	25,986	25,646
Transportation equipment	31,289	30,402	27,314	+2.9	+11.3	-5.5	33,176	31,591	29,230	34,540	-3.9	148,592	156,072
Motor vehicles and parts	18,480	17,372	14,910	+6.4	+16.5	-5.2	20,604	18,767	15,952	22,523	-8.5	87,792	97,899
Aircraft, missiles, space vehicles, and parts	10,831	11,070	10,370	-2.2	+6.8	-9.3	10,592	10,815	11,176	10,069	+5.2	51,389	48,209
Shipbuilding and tanks	1,095	1,137	1,007	-3.7	+12.9	+5.6	1,045	1,082	996	945	+10.6	4,940	4,565
Instruments and related products	10,001	10,137	9,488	-1.3	+6.8	-3.2	9,920	9,632	10,182	10,120	-2.0	47,910	48,658
Search and navigation equipment	2,957	2,920	2,891	+1.3	+1.0	+2.7	2,865	2,682	3,212	3,094	-7.4	13,640	14,602
Measuring and controlling devices	2,277	2,347	2,253	-3.0	+4.2	-3.0	2,266	2,286	2,400	2,488	-8.9	11,369	12,235
Medical instruments and supplies	2,507	2,526	2,315	-0.8	+9.1	-6.0	2,492	2,439	2,448	2,343	+6.4	12,257	11,320
Photographic goods	1,975	2,081	1,762	-5.1	+18.1	-8.5	1,993	1,946	1,826	1,911	+4.3	9,267	9,171
All other durable goods	11,811	11,644	11,171	+1.4	+4.2	-3.1	12,061	11,854	11,413	12,765	-5.5	56,901	61,711
Nondurable goods industries	117,105	115,165	114,228	+1.7	+0.8	-1.3	116,999	114,498	116,761	115,053	+1.7	572,594	566,106
With unfilled orders	28,146	27,991	28,276	+0.6	-1.0	-1.3	27,616	27,950	28,769	28,924	-4.5	139,642	144,373
Food and kindred products	33,276	32,854	33,111	+1.3	-0.8	+0.6	33,688	32,152	33,904	33,350	+1.0	162,307	160,890
Meat products	7,983	8,020	8,266	-0.5	-3.0	+3.1	8,262	7,860	8,229	8,279	-0.2	39,687	38,932
Dairy products	4,440	4,424	4,389	+0.4	+0.8	+2.0	4,547	4,370	4,460	4,805	-5.4	21,794	23,023
Beverages	4,605	4,271	4,458	+7.8	-4.2	+1.7	4,927	4,489	4,402	4,662	+5.7	21,482	21,348
All other foods, except fats and oils	14,802	14,722	14,550	+0.5	+1.2	-1.1	14,506	14,016	15,365	14,165	+2.4	72,178	70,256
Tobacco products	2,569	2,095	2,452	+22.6	-14.6	+7.3	2,906	1,817	2,944	2,663	+9.1	11,041	10,748
Textile mill products	5,199	5,085	4,932	+2.2	+3.1	+1.1	5,194	5,026	5,189	5,392	-3.7	24,507	26,711
Broadwoven fabrics and other textiles	3,131	2,999	2,976	+4.4	+0.8	+1.7	3,209	2,978	3,143	3,263	-1.7	14,876	16,336
Paper and allied products	9,941	9,949	9,994	-0.1	-0.5	-2.2	9,852	9,921	10,253	10,708	-8.0	50,390	53,570
Pulp, paper, and paperboard mill products	4,241	4,217	4,340	+0.6	-2.8	-1.7	4,228	4,199	4,456	4,673	-9.5	21,855	23,332
Paperboard containers and boxes	2,232	2,248	2,131	-0.7	+5.5	-6.6	2,250	2,296	2,183	2,468	-8.8	11,266	12,259
Miscellaneous converted paper products	3,468	3,484	3,523	-0.5	-1.1	0.0	3,374	3,426	3,614	3,567	-5.4	17,269	17,979
Chemicals and allied products	24,585	24,117	22,885	+1.9	+5.4	-3.9	24,588	24,971	24,200	23,506	+4.6	121,665	117,627
Industrial chemicals	12,662	12,820	12,230	-1.2	+4.8	-4.1	12,839	13,211	12,938	13,011	-1.3	65,137	64,321
Drugs, soaps, and toiletries	9,146	8,689	8,109	+5.3	+7.2	-4.8	8,405	8,277	8,354	7,497	+12.1	42,033	39,048
Petroleum and coal products	14,252	13,760	13,584	+3.6	+1.3	-3.7	14,314	13,509	12,838	12,995	+10.2	68,857	63,963
Rubber and plastics products	7,414	7,527	7,303	-1.5	+3.1	-1.2	7,745	7,799	7,497	7,616	+1.7	37,476	37,774
All other nondurable goods	19,869	19,778	19,967	+0.5	-0.9	-1.0	18,712	19,303	19,936	18,823	-0.6	96,351	94,823

[p] Preliminary. [r] Revised.

[1] Shipments and new orders are the totals for the period and are adjusted for trading-day and calendar-month variations.

Table 2. VALUE OF MANUFACTURERS' NEW ORDERS FOR INDUSTRY GROUPS
(Millions of dollars)

Industry	Seasonally adjusted						Not seasonally adjusted[1]						
	Monthly			Percent Change			Monthly				Percent change May 91/90	Year to date	
	May 1991[p]	Apr. 1991[r]	Mar. 1991	Apr.-May	Mar.-Apr.	Feb.-Mar.	May 1991[p]	Apr. 1991[r]	Mar. 1991	May 1990		1991[p]	1990
All manufacturing industries	238,013	231,229	226,431	+2.9	+2.1	-2.9	239,549	231,020	238,355	245,028	-2.2	1,160,438	1,201,715
Manufacturing industries with unfilled orders	129,909	125,677	124,316	+3.4	+1.1	-3.6	129,027	124,492	133,306	135,399	-4.7	636,345	674,342
Durable goods industries	120,074	116,139	112,116	+3.4	+3.6	-4.6	121,719	116,644	120,990	130,142	-6.5	586,260	634,710
With unfilled orders	100,929	97,761	95,953	+3.2	+1.9	-4.6	100,580	96,664	103,933	106,642	-5.7	495,119	529,070
Stone, clay, and glass products	4,786	4,774	4,596	+0.3	+3.9	+0.2	4,964	4,920	4,569	5,425	-8.5	22,943	26,092
Primary metals	10,496	10,490	9,725	+0.1	+7.9	-0.5	10,538	10,789	10,591	12,369	-14.8	52,209	63,058
Blast furnaces, steel mills	4,350	4,279	3,664	+1.7	+16.8	-4.6	4,364	4,446	3,808	5,235	-16.6	20,818	26,249
Iron and steel foundries	826	782	787	+5.6	-0.6	-2.0	851	854	826	1,039	-18.1	4,127	5,188
Nonferrous and other primary metals	5,320	5,429	5,274	-2.0	+2.9	+2.7	5,323	5,489	5,957	6,095	-12.7	27,264	31,621
Fabricated metal products	14,699	14,874	14,328	-1.2	+3.8	+0.4	15,290	15,162	15,416	16,204	-5.6	74,236	78,450
Industrial machinery and equipment	20,861	20,243	19,872	+3.1	+1.9	-0.1	20,678	20,003	21,992	21,553	-4.1	101,193	108,562
Engines and turbines	1,589	1,585	1,429	+0.3	+10.9	+13.4	1,480	1,375	1,397	1,403	+5.5	6,732	6,728
Construction, mining and material handling equipment	2,795	2,744	2,292	+1.9	+19.7	-3.0	2,729	2,925	2,626	2,582	+5.7	13,616	14,036
Metalworking machinery	1,617	1,675	1,767	-3.5	-5.2	+13.0	1,589	1,581	1,987	1,804	-11.9	8,121	9,543
Computer and office equipment	6,010	5,572	5,883	+7.9	-5.3	+2.3	5,616	4,619	6,929	5,486	+2.4	26,948	27,292
Electronic and other electrical equipment	16,868	17,330	15,642	-2.7	+10.8	-13.4	16,442	16,997	16,621	16,794	-2.1	83,178	82,599
Electrical transmission and distribution equipment and industrial apparatus	2,243	2,298	2,247	-2.4	+2.3	-0.8	2,232	2,307	2,420	2,298	-2.9	11,648	12,066
Electric lighting and wiring equipment	1,373	1,295	1,249	+6.0	+3.7	-6.9	1,333	1,201	1,266	1,304	+2.2	6,425	6,330
Communications equipment	3,748	3,795	3,350	-1.2	+13.3	-25.3	3,658	3,574	3,631	3,836	-4.6	18,253	18,474
Electronic components	5,375	5,885	4,965	-8.7	+18.5	-15.8	5,303	6,257	5,389	5,541	-4.3	27,718	26,717
Transportation equipment	30,586	27,453	28,343	+11.4	-3.1	-4.8	31,759	27,914	31,157	35,026	-9.3	149,139	165,522
Aircraft, missiles, space vehicles, and parts	9,417	8,677	12,015	+8.5	-27.8	-6.1	8,486	7,682	13,651	10,555	-19.6	51,965	57,492
Shipbuilding and tanks	1,980	713	823	+177.7	-13.4	+39.5	2,110	691	822	681	+209.8	5,608	4,516
Instruments and related products	9,972	9,210	8,687	+8.3	+6.0	-12.5	9,919	8,466	9,045	9,740	+1.8	45,560	47,226
Search and navigation equipment	2,941	2,313	2,056	+27.2	+12.5	-32.6	2,870	1,817	2,009	2,908	-1.3	11,484	13,024
Measuring and controlling devices	2,232	2,222	2,383	+0.5	-6.8	+1.1	2,221	2,161	2,530	2,463	-9.8	11,432	12,227
Medical instruments and supplies	2,527	2,338	2,267	+8.1	+3.1	-3.4	2,512	2,251	2,400	2,196	+14.4	11,977	11,418
All other durable goods	11,806	11,765	10,923	+0.3	+7.7	-3.0	12,129	12,393	11,599	13,031	-6.9	57,802	63,201
Nondurable goods industries	117,939	115,090	114,315	+2.5	+0.7	-1.1	117,830	114,376	117,365	114,886	+2.6	574,178	567,005
With unfilled orders	28,980	27,916	28,363	+3.8	-1.6	-0.4	28,447	27,828	29,373	28,757	-1.1	141,226	145,272

[p] Preliminary. [r] Revised.

[1] Shipments and new orders are the totals for the period and are adjusted for trading-day and calendar-month variations.

Table 3. VALUE OF MANUFACTURERS' UNFILLED ORDERS FOR INDUSTRY GROUPS
(Millions of dollars)

Industry	Seasonally adjusted						Not seasonally adjusted				
	Monthly			Percent Change			Monthly				Percent change
	May 1991[p]	Apr. 1991[r]	Mar. 1991	Apr.-May	Mar.-Apr.	Feb.-Mar.	May 1991[p]	Apr. 1991[r]	Mar. 1991	May 1990	May 91/90
All manufacturing industries	521,070	521,085	524,742	0.0	-0.7	-0.4	524,290	525,210	529,259	531,829	-1.4
Durable goods industries	499,829	500,678	504,260	-0.2	-0.7	-0.5	502,765	504,516	508,443	510,388	-1.5
Stone, clay, and glass products	5,738	5,567	5,349	+3.1	+4.1	+3.9	5,783	5,581	5,418	5,078	+13.9
Primary metals	19,887	20,013	20,149	-0.6	-0.7	-2.4	20,810	21,069	21,246	25,643	-18.8
Blast furnaces, steel mills	7,071	6,976	6,832	+1.4	+2.1	-3.3	7,439	7,483	7,364	10,235	-27.3
Iron and steel foundries	2,809	2,843	2,912	-1.2	-2.4	-1.5	2,834	2,920	2,963	3,002	-5.6
Nonferrous and other primary metals	10,007	10,194	10,405	-1.8	-2.0	-2.0	10,537	10,666	10,919	12,406	-15.1
Fabricated metal products	27,381	27,382	27,219	0.0	+0.6	-0.7	27,482	27,577	27,432	28,151	-2.4
Industrial machinery and equipment	55,536	55,351	55,998	+0.3	-1.2	-1.7	55,766	55,459	56,013	59,240	-5.9
Engines and turbines	8,325	8,222	7,987	+1.3	+2.9	+0.7	8,020	7,969	7,896	6,837	+17.3
Construction, mining and material handling equipment	7,397	7,399	7,544	0.0	-1.9	-4.7	7,419	7,571	7,680	8,448	-12.2
Metalworking machinery	6,781	6,932	6,945	-2.2	-0.2	+1.4	6,781	6,937	6,945	7,229	-6.2
Computer and office equipment	12,246	11,987	12,275	+2.2	-2.3	+0.3	12,515	11,966	12,072	12,832	-2.5
Electronic and other electrical equipment	49,730	50,071	49,496	-0.7	+1.2	-1.8	49,966	50,522	49,722	49,001	+2.0
Electrical transmission and distribution equipment and industrial apparatus	6,716	6,772	6,768	-0.8	+0.1	-1.0	6,749	6,817	6,812	6,643	+1.6
Electric lighting and wiring equipment	2,170	2,129	2,181	+1.9	-2.4	-2.7	2,170	2,129	2,181	2,085	+4.1
Communications equipment	21,079	21,534	21,697	-2.1	-0.8	-2.5	20,984	21,538	21,741	20,816	+0.8
Electronic components	15,090	15,094	14,435	0.0	+4.6	-1.1	15,437	15,524	14,505	15,315	+0.8
Transportation equipment	277,456	278,159	281,108	-0.3	-1.0	+0.4	278,055	279,472	283,149	270,678	+2.7
Aircraft, missiles, space vehicles, and parts	241,600	243,014	245,407	-0.6	-1.0	+0.7	242,234	244,340	247,473	232,910	+4.0
Shipbuilding and tanks	27,475	26,590	27,014	+3.3	-1.6	-0.7	27,440	26,375	26,766	27,082	+1.3
Instruments and related products	57,465	57,494	58,421	-0.1	-1.6	-1.4	57,695	57,696	58,862	64,619	-10.7
Search and navigation equipment	40,489	40,505	41,112	0.0	-1.5	-2.0	40,702	40,697	41,562	47,034	-13.5
Measuring and controlling devices	8,199	8,244	8,369	-0.5	-1.5	+1.6	8,199	8,244	8,369	8,406	-2.5
Medical instruments and supplies	7,781	7,761	7,949	+0.3	-2.4	-0.6	7,781	7,761	7,949	8,032	-3.1
All other durable goods	6,636	6,641	6,520	-0.1	+1.9	-3.7	7,208	7,140	6,601	7,978	-9.7
Nondurable goods industries	21,241	20,407	20,482	+4.1	-0.4	+0.4	21,525	20,694	20,816	21,441	+0.4

[p] Preliminary. [r] Revised.

Table 4. VALUE OF MANUFACTURERS' INVENTORIES FOR INDUSTRY GROUPS
(Millions of dollars)

Industry	Seasonally adjusted						Not seasonally adjusted				
	Monthly			Percent Change			Monthly				Percent change
	May 1991[p]	Apr. 1991[r]	Mar. 1991	Apr.-May	Mar.-Apr.	Feb.-Mar.	May 1991[p]	Apr. 1991[r]	Mar. 1991	May 1990	May 91/90
All manufacturing industries	381,994	385,145	385,982	-0.8	-0.2	-0.6	384,632	387,458	386,434	389,654	-1.3
Manufacturing industries with unfilled orders	262,445	265,014	265,890	-1.0	-0.3	-0.6	265,417	266,942	266,029	272,403	-2.6
Durable goods industries	247,011	249,546	250,405	-1.0	-0.3	-0.7	249,405	251,304	251,017	257,462	-3.1
With unfilled orders	228,860	230,962	231,611	-0.9	-0.3	-0.6	231,346	232,596	231,769	238,345	-2.9
Stone, clay, and glass products	8,014	8,096	8,138	-1.0	-0.5	-1.3	8,219	8,288	8,275	7,901	+4.0
Primary metals	22,638	23,029	23,265	-1.7	-1.0	+0.2	22,726	23,041	23,141	22,603	+0.5
Blast furnaces, steel mills	11,019	11,216	11,426	-1.8	-1.8	+0.5	10,975	11,085	11,198	10,835	+1.3
Iron and steel foundries	1,436	1,434	1,398	+0.1	+2.6	-1.9	1,476	1,488	1,463	1,445	+2.1
Nonferrous and other primary metals	10,183	10,379	10,441	-1.9	-0.6	+0.2	10,275	10,468	10,480	10,323	-0.5
Fabricated metal products	23,632	23,992	24,272	-1.5	-1.2	-1.8	23,935	24,333	24,547	25,054	-4.5
Industrial machinery and equipment	47,834	48,014	47,921	-0.4	+0.2	-0.6	48,234	48,288	47,906	49,183	-1.9
Engines and turbines	3,823	3,814	3,820	+0.2	-0.2	-0.8	3,863	3,799	3,697	3,530	+9.4
Farm and garden machinery	2,447	2,443	2,482	+0.2	-1.6	-1.5	2,454	2,483	2,622	2,560	-4.1
Construction, mining and material handling equipment	6,919	6,911	6,873	+0.1	+0.6	-0.1	6,995	7,008	6,924	6,655	+5.1
Metalworking machinery	5,008	5,029	5,025	-0.4	+0.1	+0.9	5,083	5,076	4,987	5,173	-1.7
Computer and office equipment	10,838	10,821	10,806	+0.2	+0.1	-2.0	10,957	10,821	10,613	12,169	-10.0
Electronic and other electrical equipment	29,509	29,714	29,719	-0.7	0.0	+0.1	30,053	30,072	29,746	31,592	-4.9
Electrical transmission and distribution equipment and industrial apparatus	4,286	4,286	4,357	0.0	-1.6	+0.8	4,356	4,378	4,389	4,689	-7.1
Household appliances	2,298	2,320	2,367	-0.9	-2.0	-3.3	2,480	2,459	2,445	3,133	-20.8
Electric lighting and wiring equipment	3,316	3,356	3,389	-1.2	-1.0	-0.2	3,409	3,398	3,365	3,504	-2.7
Household audio and video equipment	961	974	1,044	-1.3	-6.7	-2.9	999	981	1,002	1,259	-20.7
Communications equipment	5,820	5,917	5,778	-1.6	+2.4	+2.6	5,824	5,890	5,728	5,973	-2.5
Electronic components	9,199	9,230	9,139	-0.3	+1.0	+0.2	9,254	9,252	9,111	9,256	0.0
Transportation equipment	72,171	72,985	73,116	-1.1	-0.2	-0.6	72,593	73,240	73,253	74,158	-2.1
Motor vehicles and parts	12,439	12,867	12,919	-3.3	-0.4	-2.3	12,223	12,782	12,971	12,137	+0.7
Aircraft, missiles, space vehicles, and parts	55,744	56,204	56,180	-0.8	0.0	+0.1	56,326	56,547	56,294	57,184	-1.5
Shipbuilding and tanks	1,977	1,869	1,996	+5.8	-6.4	-0.2	2,020	1,897	1,965	2,490	-18.9
Instruments and related products	23,556	23,743	23,640	-0.8	+0.4	-1.2	23,998	24,023	23,677	25,693	-6.6
Search and navigation equipment	8,702	8,858	8,774	-1.8	+1.0	-2.9	8,856	8,971	8,754	10,083	-12.2
Measuring and controlling devices	6,261	6,270	6,217	-0.1	+0.9	-0.7	6,311	6,272	6,243	6,673	-5.4
Medical instruments and supplies	5,267	5,275	5,252	-0.2	+0.4	-0.5	5,430	5,380	5,325	5,210	+4.2
Photographic goods	2,691	2,703	2,769	-0.4	-2.4	+1.5	2,758	2,756	2,725	3,041	-9.3
All other durable goods	19,657	19,973	20,334	-1.6	-1.8	-1.8	19,647	20,019	20,472	21,278	-7.7
Nondurable goods industries	134,983	135,599	135,577	-0.5	0.0	-0.5	135,227	136,154	135,417	132,192	+2.3
With unfilled orders	33,585	34,052	34,279	-1.4	-0.7	-0.3	34,071	34,346	34,260	34,058	0.0
Food and kindred products	28,195	28,321	28,221	-0.4	+0.4	+0.3	27,044	27,681	27,593	26,279	+2.9
Meat products	2,987	3,005	2,976	-0.6	+1.0	-1.6	3,032	3,124	3,034	2,922	+3.8
Dairy products	2,417	2,488	2,493	-2.9	-0.2	+0.8	2,458	2,519	2,473	2,512	-2.1
Beverages	4,665	4,695	4,693	-0.6	0.0	+0.8	4,698	4,779	4,755	4,645	+1.1
All other foods, except fats and oils	16,613	16,660	16,575	-0.3	+0.5	+0.6	15,367	15,693	15,770	14,883	+3.3
Tobacco products	5,800	5,851	5,662	-0.9	+3.3	-1.0	5,609	5,949	5,766	5,117	+9.6
Textile mill products	8,596	8,639	8,699	-0.5	-0.7	-1.8	8,891	8,830	8,724	9,428	-5.7
Broadwoven fabrics and other textiles	5,083	5,126	5,138	-0.8	-0.2	-1.8	5,220	5,230	5,153	5,448	-4.2
Paper and allied products	13,568	13,720	13,771	-1.1	-0.4	+0.6	13,691	13,858	13,838	13,334	+2.7
Pulp, paper, and paperboard mill products	5,650	5,626	5,603	+0.4	+0.4	+1.3	5,695	5,707	5,688	5,246	+8.6
Paperboard containers and boxes	3,148	3,211	3,325	-2.0	-3.4	-0.6	3,164	3,234	3,313	3,300	-4.1
Miscellaneous converted paper products	4,770	4,883	4,843	-2.3	+0.8	+0.5	4,832	4,917	4,837	4,788	+0.9
Chemicals and allied products	32,696	32,772	32,805	-0.2	-0.1	+0.1	32,855	33,114	33,189	31,287	+5.0
Industrial chemicals	16,737	16,811	16,900	-0.4	-0.5	+0.4	16,737	16,939	17,068	15,985	+4.7
Drugs, soaps, and toiletries	11,242	11,183	11,102	+0.5	+0.7	+0.3	11,433	11,266	10,973	10,750	+6.4
Petroleum and coal products	11,727	11,563	11,586	+1.4	-0.2	-2.4	11,919	11,584	11,470	11,228	+6.2
Rubber and plastics products	11,679	11,801	11,766	-1.0	+0.3	-1.6	11,861	12,017	11,974	11,498	+3.2
All other nondurable goods	22,722	22,932	23,067	-0.9	-0.6	-0.6	23,357	23,121	22,863	24,021	-2.8

[p] Preliminary. [r] Revised.

Table 5. VALUE OF MANUFACTURERS' SHIPMENTS AND NEW ORDERS FOR TOPICAL SERIES[1]
(Millions of dollars)

Industry	Seasonally adjusted						Not seasonally adjusted [2]						
	Monthly			Percent Change			Monthly				Percent change May 91/90	Year to date	
	May 1991p	Apr. 1991r	Mar. 1991	Apr.-May	Mar.-Apr.	Feb.-Mar.	May 1991p	Apr. 1991r	Mar. 1991	May 1990		1991p	1990
SHIPMENTS													
All manufacturing industries	238,028	234,886	228,715	+1.3	+2.7	-1.9	240,469	235,069	238,810	245,007	-1.9	1,160,220	1,187,708
Market categories :													
Automotive equipment	8,241	7,815	6,686	+5.5	+16.9	-5.1	9,159	8,467	7,150	10,297	-11.1	39,014	45,117
Home goods and apparel	14,377	14,405	13,910	-0.2	+3.6	-0.1	13,497	13,781	14,394	13,527	-0.2	67,978	68,258
Consumer staples	56,612	54,903	55,191	+3.1	-0.5	-0.7	56,663	53,520	56,224	54,638	+3.7	272,767	265,078
Machinery and equipment	39,164	38,623	36,730	+1.4	+5.2	-3.8	39,415	38,347	40,120	39,261	+0.4	187,823	191,624
Business supplies	19,434	19,334	19,301	+0.5	+0.2	-1.4	19,265	19,682	19,620	19,169	+0.5	96,638	95,587
Construction materials and supplies	13,273	13,091	12,563	+1.4	+4.2	-1.8	13,648	13,286	12,788	14,882	-8.3	63,400	71,077
Defense products	8,397	8,840	8,539	-5.0	+3.5	+0.2	8,265	8,434	8,973	9,129	-9.5	40,752	42,503
Other materials, supplies and and intermediate products	78,530	77,875	75,795	+0.8	+2.7	-2.3	80,557	79,552	79,541	84,104	-4.2	391,848	408,464
Durable goods industries :													
Nondefense capital goods [3]	32,091	31,733	31,405	+1.1	+1.0	-2.5	31,420	30,789	34,744	30,487	+3.1	154,358	153,844
Excluding aircraft and parts	25,869	25,625	25,815	+1.0	-0.7	+0.9	25,283	24,671	28,553	25,586	-1.2	125,098	129,161
Defense capital goods [4]	8,426	8,860	8,566	-4.9	+3.4	+0.8	8,215	8,314	8,994	9,060	-9.3	40,145	41,817
Durables excluding capital goods	80,406	79,128	74,516	+1.6	+6.2	-2.9	83,835	81,468	78,311	90,407	-7.3	393,123	425,941
Miscellaneous series :													
Producers' durable equipment	77,070	75,682	71,793	+1.8	+5.4	-2.5	79,235	76,363	77,664	82,013	-3.4	373,615	390,996
Household durable goods	6,424	6,460	6,215	-0.6	+3.9	-0.4	6,268	6,325	6,677	6,273	-0.1	31,006	31,445
Information technology industries	14,376	14,433	14,009	-0.4	+3.0	-1.6	13,712	12,930	15,811	13,693	+0.1	67,461	68,101
Health care equipment and products	7,456	7,233	6,710	+3.1	+7.8	-5.2	7,051	6,930	6,974	6,421	+9.8	35,041	32,527
NEW ORDERS													
All manufacturing industries	238,013	231,229	226,431	+2.9	+2.1	-2.9	239,549	231,020	238,355	245,028	-2.2	1,160,438	1,201,715
Market categories :													
Automotive equipment	8,262	7,828	6,660	+5.5	+17.5	-5.5	9,135	8,475	7,147	10,319	-11.5	39,061	45,193
Home goods and apparel	14,474	14,601	13,925	-0.9	+4.9	+1.9	13,640	14,133	14,801	13,620	+0.1	69,587	69,836
Consumer staples	56,588	54,838	55,209	+3.2	-0.7	-0.7	56,605	53,463	56,238	54,536	+3.8	272,629	264,854
Machinery and equipment	37,145	35,803	36,967	+3.7	-3.1	-5.9	37,662	35,814	40,342	39,918	-5.7	187,284	200,634
Business supplies	19,574	19,214	19,159	+1.9	+0.3	-1.8	19,407	19,596	19,475	19,172	+1.2	96,674	95,792
Construction materials and supplies	13,402	13,199	12,644	+1.5	+4.4	-0.1	13,762	13,425	12,982	14,841	-7.3	63,818	71,187
Defense products	9,344	7,912	7,013	+18.1	+12.8	-11.5	8,512	6,321	7,637	8,065	+5.5	37,189	39,554
Other materials, supplies and and intermediate products	79,224	77,834	74,854	+1.8	+4.0	-3.4	80,826	79,793	79,733	84,557	-4.4	394,196	414,665
Durable goods industries :													
Nondefense capital goods [3]	29,895	28,748	31,940	+4.0	-10.0	-5.4	29,424	27,882	34,963	31,142	-5.5	154,143	163,662
Excluding aircraft and parts	25,349	24,685	23,762	+2.7	+3.9	-6.8	24,963	23,809	26,184	25,526	-2.2	122,666	128,892
Defense capital goods [4]	9,431	7,790	6,692	+21.1	+16.4	-15.5	8,458	6,198	7,531	8,187	+3.3	36,803	39,222
Durables excluding capital goods	80,748	79,601	73,484	+1.4	+8.3	-3.1	83,837	82,564	78,496	90,813	-7.7	395,314	431,826
Miscellaneous series :													
Producers' durable equipment	75,851	73,440	70,938	+3.3	+3.5	-3.8	77,942	74,529	77,166	82,205	-5.2	374,188	399,314
Household durable goods	6,531	6,580	6,167	-0.7	+6.7	+1.2	6,315	6,623	6,895	6,173	+2.3	32,050	32,399
Information technology industries	14,275	13,765	13,430	+3.7	+2.5	-10.4	13,891	12,448	15,163	13,903	-0.1	67,258	67,713
Health care equipment and products	7,475	7,045	6,661	+6.1	+5.8	-4.3	7,070	6,744	6,926	6,275	+12.7	34,758	32,626

p Preliminary. r Revised.

[1] Topical series are regroupings of the separate industry categories.

[2] Shipments and new orders are the totals for the period and are adjusted for trading-day and calendar-month variations.

[3] Nondefense capital goods industries include : ordnance and accessories; steam, gas and hydraulic turbines; internal combustion engines; construction, mining, and material handling equipment; metalworking machinery; special industry machinery; general industrial machinery; computer and office equipment; refrigeration, heating and service industry machinery; electrical transmission and distribution equipment; electrical industrial apparatus; communications equipment; aircraft, missiles, space vehicles, and engines and parts; ships and tank components; railroad equipment; and search and navigation equipment.

[4] Defense capital goods industries include : ordnance and accessories; communications equipment; aircraft, missiles, space vehicles, and engines and parts; ships, tanks and tank components; and search and navigation equipment.

Table 6. VALUE OF MANUFACTURERS' UNFILLED ORDERS AND TOTAL INVENTORIES FOR TOPICAL SERIES[1]
(Millions of dollars)

Industry	Seasonally adjusted						Not seasonally adjusted				
	Monthly			Percent Change			Monthly				Percent change
	May 1991[p]	Apr. 1991[r]	Mar. 1991	Apr.-May	Mar.-Apr.	Feb.-Mar.	May 1991[p]	Apr. 1991[r]	Mar. 1991	May 1990	May 91/90
UNFILLED ORDERS											
All manufacturing industries	521,070	521,085	524,742	0.0	-0.7	-0.4	524,290	525,210	529,259	531,829	-1.4
Market categories :											
Automotive equipment	1,887	1,866	1,853	+1.1	+0.7	-1.4	1,884	1,908	1,900	2,094	-10.0
Home goods and apparel	8,022	7,925	7,729	+1.2	+2.5	+0.2	8,602	8,460	8,108	8,343	+3.1
Consumer staples	1,216	1,239	1,304	-1.9	-5.0	+1.3	1,184	1,242	1,300	1,237	-4.3
Machinery and equipment	227,342	229,362	232,182	-0.9	-1.2	+0.1	227,790	229,542	232,075	214,629	+6.1
Business supplies	5,909	5,768	5,888	+2.4	-2.0	-2.4	5,915	5,773	5,858	6,068	-2.5
Construction materials and supplies	12,622	12,493	12,385	+1.0	+0.9	+0.7	12,822	12,708	12,569	12,977	-1.2
Defense products	139,550	138,603	139,530	+0.7	-0.7	-1.1	140,116	139,870	141,983	153,472	-8.7
Other materials, supplies and and intermediate products	124,522	123,829	123,871	+0.6	0.0	-0.8	125,977	125,707	125,466	133,009	-5.3
Durable goods industries :											
Nondefense capital goods [3]	249,443	251,639	254,624	-0.9	-1.2	+0.2	249,629	251,625	254,532	235,945	+5.8
Excluding aircraft and parts	84,748	85,268	86,208	-0.6	-1.1	-2.3	84,934	85,254	86,116	89,393	-5.0
Defense capital goods [4]	148,682	147,677	148,747	+0.7	-0.7	-1.2	149,434	149,191	151,307	163,695	-8.7
Durables excluding capital goods	101,704	101,362	100,889	+0.3	+0.5	-1.0	103,702	103,700	102,604	110,748	-6.4
Miscellaneous series :											
Producers' durable equipment	255,252	256,471	258,713	-0.5	-0.9	-0.3	256,013	257,306	259,140	244,748	+4.6
Household durable goods	4,781	4,674	4,554	+2.3	+2.6	-1.0	5,142	5,095	4,797	5,514	-6.7
Information technology industries	41,811	41,912	42,580	-0.2	-1.6	-1.3	42,075	41,896	42,378	42,732	-1.5
Health care equipment and products	7,808	7,790	7,977	+0.2	-2.3	-0.6	7,809	7,789	7,976	8,065	-3.2
TOTAL INVENTORIES											
All manufacturing industries	381,994	385,145	385,982	-0.8	-0.2	-0.6	384,632	387,458	386,434	389,654	-1.3
Market categories :											
Automotive equipment	6,321	6,454	6,472	-2.1	-0.3	-3.1	6,310	6,447	6,528	6,568	-3.9
Home goods and apparel	25,379	25,444	25,703	-0.3	-1.0	-1.8	26,371	25,878	25,615	29,215	-9.7
Consumer staples	54,724	54,796	54,466	-0.1	+0.6	-0.2	53,846	54,422	53,818	51,399	+4.8
Machinery and equipment	87,400	87,832	87,738	-0.5	+0.1	+0.1	88,416	88,715	87,883	88,764	-0.4
Business supplies	21,958	22,276	22,423	-1.4	-0.7	-0.6	22,055	22,352	22,473	22,181	-0.6
Construction materials and supplies	23,001	23,341	23,637	-1.5	-1.3	-1.2	23,323	23,640	23,854	23,777	-1.9
Defense products	34,706	35,057	35,035	-1.0	+0.1	-1.2	35,130	35,183	35,161	38,847	-9.6
Other materials, supplies and and intermediate products	128,505	129,945	130,508	-1.1	-0.4	-0.7	129,181	130,821	131,102	128,903	+0.2
Durable goods industries :											
Nondefense capital goods [3]	83,837	84,146	83,985	-0.4	+0.2	+0.1	84,739	84,870	83,812	85,131	-0.5
Excluding aircraft and parts	55,840	56,004	55,873	-0.3	+0.2	-0.6	56,496	56,460	55,683	58,827	-4.0
Defense capital goods [4]	37,149	37,581	37,553	-1.1	+0.1	-1.2	37,595	37,735	37,658	41,380	-9.1
Durables excluding capital goods	126,025	127,819	128,867	-1.4	-0.8	-1.1	127,071	128,699	129,547	130,951	-3.0
Miscellaneous series :											
Producers' durable equipment	140,535	141,580	141,866	-0.7	-0.2	-0.6	141,933	142,822	142,381	145,867	-2.7
Household durable goods	12,138	12,225	12,442	-0.7	-1.7	-2.5	12,494	12,403	12,433	14,007	-10.8
Information technology industries	27,484	27,628	27,485	-0.5	+0.5	-1.4	27,810	27,713	27,221	30,441	-8.6
Health care equipment and products	11,393	11,373	11,303	+0.2	+0.6	-0.2	11,660	11,524	11,310	11,074	+5.3

See footnotes at end of table 5.

Table 7. VALUE OF MANUFACTURERS' INVENTORIES, BY STAGE OF FABRICATION, BY INDUSTRY GROUP
(Millions of dollars)

Industry	Seasonally adjusted						Not seasonally adjusted				
	Monthly			Percent Change			Monthly				Percent change
	May 1991[p]	Apr. 1991[r]	Mar. 1991	Apr.-May	Mar.-Apr.	Feb.-Mar.	May 1991[p]	Apr. 1991[r]	Mar. 1991	May 1990	May 91/90
MATERIALS AND SUPPLIES											
All manufacturing industries	117,907	118,797	119,762	-0.7	-0.8	-0.8	117,160	118,487	119,652	118,460	-1.1
Durable goods industries	68,580	69,274	70,101	-1.0	-1.2	-1.2	68,053	68,807	69,825	70,136	-3.0
Stone, clay, and glass products	2,458	2,488	2,524	-1.2	-1.4	-1.5	2,467	2,487	2,512	2,545	-3.1
Primary metals	7,124	7,204	7,269	-1.1	-0.9	-1.0	6,918	6,945	6,994	7,110	-2.7
Fabricated metal products	8,100	8,347	8,521	-3.0	-2.0	-0.8	8,042	8,317	8,569	8,920	-9.8
Industrial machinery and equipment	13,081	13,176	13,154	-0.7	+0.2	-0.3	12,998	13,145	13,112	13,188	-1.4
Electronic and other electrical equipment	9,100	9,056	9,140	+0.5	-0.9	-1.7	9,138	9,111	9,175	9,850	-7.2
Transportation equipment	14,699	14,729	14,969	-0.2	-1.6	-2.6	14,677	14,732	15,004	14,095	+4.1
Instruments and related products	5,715	5,725	5,739	-0.2	-0.2	+0.4	5,770	5,732	5,765	6,013	-4.0
Lumber, furniture and miscellaneous durable goods	8,303	8,549	8,785	-2.9	-2.7	-1.3	8,043	8,338	8,694	8,415	-4.4
Nondurable goods industries	49,327	49,523	49,661	-0.4	-0.3	-0.1	49,107	49,680	49,827	48,324	+1.6
Food and kindred products	9,488	9,472	9,390	+0.2	+0.9	+0.9	9,353	9,523	9,426	9,069	+3.1
Tobacco products	4,324	4,306	4,259	+0.4	+1.1	+2.1	4,228	4,304	4,356	4,005	+5.6
Textile mill products	2,357	2,360	2,458	-0.1	-4.0	-1.8	2,437	2,429	2,457	2,560	-4.8
Paper and allied products	7,062	7,148	7,169	-1.2	-0.3	-0.3	7,010	7,142	7,158	6,941	+1.0
Chemicals and allied products	10,992	11,014	10,938	-0.2	+0.7	0.0	10,962	11,023	10,981	10,585	+3.6
Petroleum and coal products	3,264	3,212	3,289	+1.6	-2.3	-2.1	3,318	3,292	3,309	3,237	+2.5
Rubber and plastics products	4,184	4,235	4,260	-1.2	-0.6	-1.0	4,156	4,212	4,252	4,181	-0.6
Apparel, printing and publishing and leather goods	7,656	7,776	7,898	-1.5	-1.5	-0.5	7,643	7,755	7,888	7,746	-1.3
WORK IN PROCESS											
All manufacturing industries	139,393	140,337	140,644	-0.7	-0.2	-0.5	140,803	141,583	140,997	145,737	-3.4
Durable goods industries	117,201	118,041	118,646	-0.7	-0.5	-0.3	118,532	119,042	118,962	123,156	-3.8
Stone, clay, and glass products	1,070	1,074	1,079	-0.4	-0.5	+2.0	1,093	1,120	1,126	1,052	+3.9
Primary metals	9,180	9,305	9,336	-1.3	-0.3	+0.8	9,264	9,446	9,432	8,946	+3.6
Fabricated metal products	7,961	7,941	8,130	+0.3	-2.3	-3.8	8,142	8,125	8,208	8,467	-3.8
Industrial machinery and equipment	21,528	21,197	21,623	+1.6	-2.0	-0.5	21,844	21,316	21,640	21,787	+0.3
Electronic and other electrical equipment	12,096	12,351	12,263	-2.1	+0.7	+2.3	12,268	12,463	12,199	12,714	-3.5
Transportation equipment	48,487	49,095	49,164	-1.2	-0.1	+0.3	48,801	49,300	49,281	51,611	-5.4
Instruments and related products	12,639	12,812	12,760	-1.4	+0.4	-3.0	12,862	12,954	12,727	14,064	-8.5
Lumber, furniture and miscellaneous durable goods	4,240	4,266	4,291	-0.6	-0.6	-1.2	4,258	4,318	4,349	4,515	-5.7
Nondurable goods industries	22,192	22,296	21,998	-0.5	+1.4	-1.7	22,271	22,541	22,035	22,581	-1.4
Food and kindred products	3,380	3,347	3,379	+1.0	-0.9	-2.2	3,257	3,332	3,412	3,248	+0.3
Tobacco products	144	147	166	-2.0	-11.4	+3.8	121	122	148	130	-6.9
Textile mill products	2,442	2,470	2,424	-1.1	+1.9	-1.9	2,474	2,488	2,452	2,668	-7.3
Paper and allied products	1,350	1,318	1,384	+2.4	-4.8	-0.9	1,352	1,330	1,387	1,407	-3.9
Chemicals and allied products	5,309	5,272	5,156	+0.7	+2.2	-1.0	5,411	5,361	5,099	5,137	+5.3
Petroleum and coal products	2,763	2,755	2,597	+0.3	+6.1	-1.7	2,812	2,785	2,563	2,673	+5.2
Rubber and plastics products	1,552	1,656	1,563	-6.3	+6.0	-1.2	1,546	1,637	1,560	1,616	-4.3
Apparel, printing and publishing and leather goods	5,252	5,331	5,329	-1.5	0.0	-2.3	5,298	5,486	5,414	5,702	-7.1
FINISHED GOODS											
All manufacturing industries	124,694	126,011	125,576	-1.0	+0.3	-0.6	126,669	127,388	125,785	125,457	+1.0
Durable goods industries	61,230	62,231	61,658	-1.6	+0.9	-1.0	62,820	63,455	62,230	64,170	-2.1
Stone, clay, and glass products	4,486	4,534	4,535	-1.1	0.0	-1.9	4,659	4,681	4,637	4,304	+8.2
Primary metals	6,334	6,520	6,660	-2.9	-2.1	+0.8	6,544	6,650	6,715	6,547	0.0
Fabricated metal products	7,571	7,704	7,621	-1.7	+1.1	-0.6	7,751	7,891	7,770	7,667	+1.1
Industrial machinery and equipment	13,225	13,641	13,144	-3.0	+3.8	-1.0	13,392	13,827	13,154	14,208	-5.7
Electronic and other electrical equipment	8,313	8,307	8,316	+0.1	-0.1	-1.2	8,647	8,498	8,372	9,028	-4.2
Transportation equipment	8,985	9,161	8,983	-1.9	+2.0	-1.8	9,115	9,208	8,968	8,452	+7.8
Instruments and related products	5,202	5,206	5,141	-0.1	+1.3	+1.5	5,366	5,337	5,185	5,616	-4.5
Lumber, furniture and miscellaneous durable goods	7,114	7,158	7,258	-0.6	-1.4	-2.7	7,346	7,363	7,429	8,348	-12.0
Nondurable goods industries	63,464	63,780	63,918	-0.5	-0.2	-0.3	63,849	63,933	63,555	61,287	+4.2
Food and kindred products	15,327	15,502	15,452	-1.1	+0.3	+0.5	14,434	14,826	14,755	13,962	+3.4
Tobacco products	1,332	1,398	1,237	-4.7	+13.0	-11.0	1,260	1,523	1,262	982	+28.3
Textile mill products	3,797	3,809	3,817	-0.3	-0.2	-1.8	3,980	3,913	3,815	4,200	-5.2
Paper and allied products	5,156	5,254	5,218	-1.9	+0.7	+2.2	5,329	5,386	5,293	4,986	+6.9
Chemicals and allied products	16,395	16,486	16,711	-0.6	-1.3	+0.6	16,482	16,730	17,109	15,565	+5.9
Petroleum and coal products	5,700	5,596	5,700	+1.9	-1.8	-2.9	5,789	5,507	5,598	5,318	+8.9
Rubber and plastics products	5,943	5,910	5,943	+0.6	-0.6	-2.2	6,159	6,168	6,162	5,701	+8.0
Apparel, printing and publishing and leather goods	9,814	9,825	9,840	-0.1	-0.2	+0.3	10,416	9,880	9,561	10,573	-1.5

[p] Prelimary. [r] Revised.

Table 8. RATIOS OF MANUFACTURES' INVENTORIES TO SHIPMENTS AND UNFILLED ORDERS TO SHIPMENTS, BY INDUSTRY GROUP
(Based on seasonally adjusted data)

Industry	Inventory / Shipments ratio				Unfilled Orders / Shipments ratio[1]			
	May 1991[p]	Apr. 1991[r]	Mar. 1991	Feb. 1991	May 1991[p]	Apr. 1991[r]	Mar. 1991	Feb. 1991
All manufacturing industries	1.60	1.64	1.69	1.67	4.01	4.03	4.14	4.08
Durable goods industries	2.04	2.08	2.19	2.15	4.91	4.94	5.13	5.04
Stone, clay, and glass products	1.74	1.78	1.85	1.81	1.38	1.35	1.35	1.25
Primary metals	2.13	2.17	2.28	2.19	1.87	1.88	1.97	1.94
Fabricated metal products	1.61	1.63	1.67	1.69	2.06	2.05	2.06	2.06
Industrial machinery and equipment	2.31	2.30	2.30	2.31	2.86	2.82	2.86	2.91
Electronic and other electrical equipment	1.71	1.77	1.80	1.80	2.89	2.99	3.00	3.05
Transportation equipment	2.31	2.40	2.68	2.54	13.15	13.41	14.40	13.68
Instruments and related products	2.36	2.34	2.49	2.44	5.75	5.67	6.16	6.04
Nondurable goods industries	1.15	1.18	1.19	1.18	0.75	0.73	0.72	0.71
Food and kindred products	0.85	0.86	0.85	0.85	(X)	(X)	(X)	(X)
Tobacco products	2.26	2.79	2.31	2.50	(X)	(X)	(X)	(X)
Textile mill products	1.65	1.70	1.76	1.82	(NA)	(NA)	(NA)	(NA)
Paper and allied products	1.36	1.38	1.38	1.34	(NA)	(NA)	(NA)	(NA)
Chemicals and allied products	1.33	1.36	1.43	1.38	(X)	(X)	(X)	(X)
Petroleum and coal products	0.82	0.84	0.85	0.84	(X)	(X)	(X)	(X)
Rubber and plastics products	1.58	1.57	1.61	1.62	(X)	(X)	(X)	(X)

[p] Preliminary. [r] Revised. (X) Not applicable. (NA) Not available.

[1] Excludes the following industries with no unfilled orders : Wood and lumber products; glass containers; metal cans, barrels and drums; farm and garden machinery; motor vehicle assembly operations; other transportation equipment; foods and related products; tobacco; knitting mill products; apparel and related products; chemicals; petroleum and coal products; and rubber and plastics products.

Table 9. AVERAGE REVISIONS TO PREVIOUSLY PUBLISHED MONTHLY PERCENT CHANGES
(Based on seasonally adjusted data)

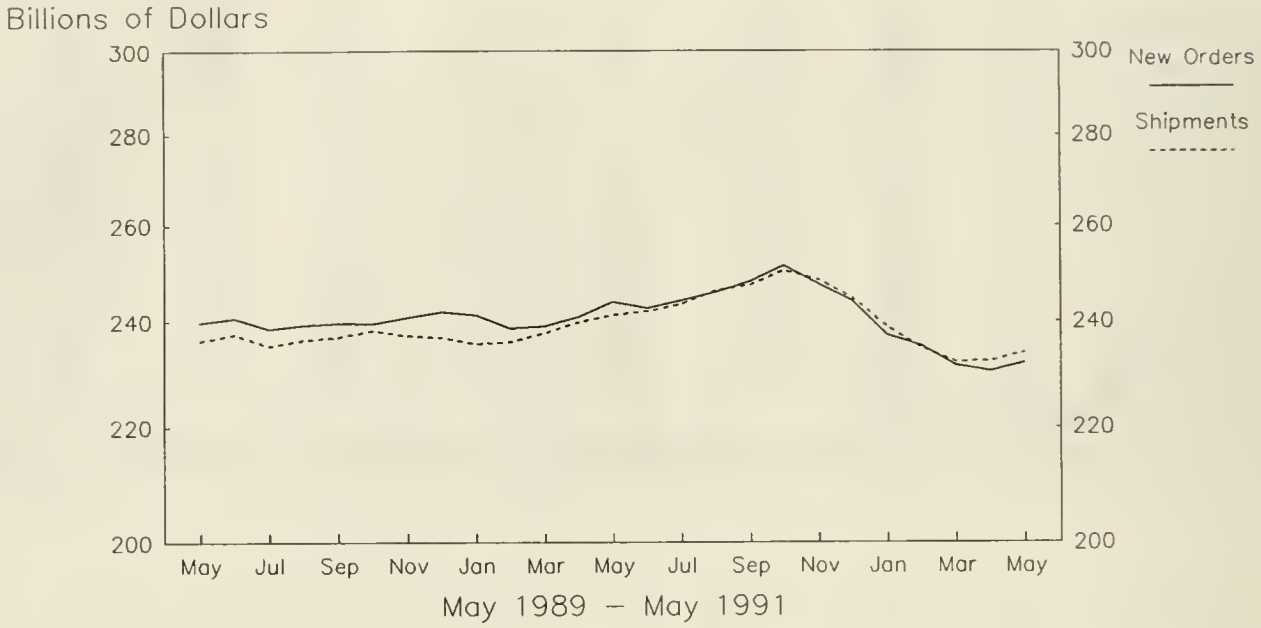
Industry	Shipments			New orders			Unfilled orders			Inventories		
	May 1990	May[1] 1986-1990	May 1990-Apr. 1991	May 1990	May[1] 1986-1990	May 1990-Apr. 1991	May 1990	May[1] 1986-1990	May 1990-Apr. 1991	May 1990	May[1] 1986-1990	May 1990-Apr. 1991
All manufacturing industries	0.1	0.2	0.2	0.1	0.2	0.1	0.1	0.1	0.0	0.1	0.1	0.0
Durable goods industries	0.0	0.1	0.3	0.1	0.2	0.3	0.1	0.1	0.0	0.0	0.1	0.1
Stone, clay, and glass products	0.3	0.8	0.5	0.4	0.6	0.6	0.9	1.3	0.4	0.8	0.3	0.3
Primary metals	0.1	0.3	0.4	1.1	0.9	0.8	0.6	0.4	0.2	0.1	0.2	0.1
Fabricated metal products	0.1	0.3	0.6	0.1	0.5	0.7	0.1	0.1	0.2	0.0	0.1	0.4
Industrial machinery and equipment	0.0	0.4	0.5	0.5	0.7	0.8	0.1	0.1	0.2	0.1	0.1	0.0
Electronic and other electrical equipment	0.1	0.2	0.3	0.1	0.3	0.9	0.0	0.1	0.2	0.0	0.1	0.1
Transportation equipment	0.1	0.1	0.5	0.1	0.6	0.5	0.0	0.1	0.0	0.0	0.1	0.1
Instruments and related products	0.0	0.3	0.4	0.0	0.4	1.8	0.0	0.2	0.2	0.1	0.1	0.2
Nondurable goods industries	0.1	0.2	0.2	0.0	0.2	0.2	0.9	0.4	0.3	0.0	0.1	0.1
Food and kindred products	0.0	0.5	0.1	(X)	(X)	(X)	(X)	(X)	(X)	0.1	0.2	0.2
Tobacco products	0.0	0.5	0.6	(X)	(X)	(X)	(X)	(X)	(X)	0.0	0.1	0.0
Textile mill products	0.3	1.1	0.7	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	0.2	0.4	0.2
Paper and allied products	0.0	0.2	0.2	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	0.0	0.1	0.2
Chemicals and allied products	0.2	0.2	0.4	(X)	(X)	(X)	(X)	(X)	(X)	0.0	0.1	0.1
Petroleum and coal products	0.3	0.7	0.5	(X)	(X)	(X)	(X)	(X)	(X)	0.3	0.2	0.2
Rubber and plastics products	1.5	0.7	0.8	(X)	(X)	(X)	(X)	(X)	(X)	0.9	0.5	0.2
Capital goods industries :												
Nondefense	0.1	0.2	0.5	0.1	0.5	0.6	0.0	0.1	0.0	0.0	0.0	0.1
Defense	0.1	0.3	0.6	0.0	1.5	3.0	0.0	0.1	0.0	0.0	0.0	0.1

(X) Not applicable. (NA) Not available.

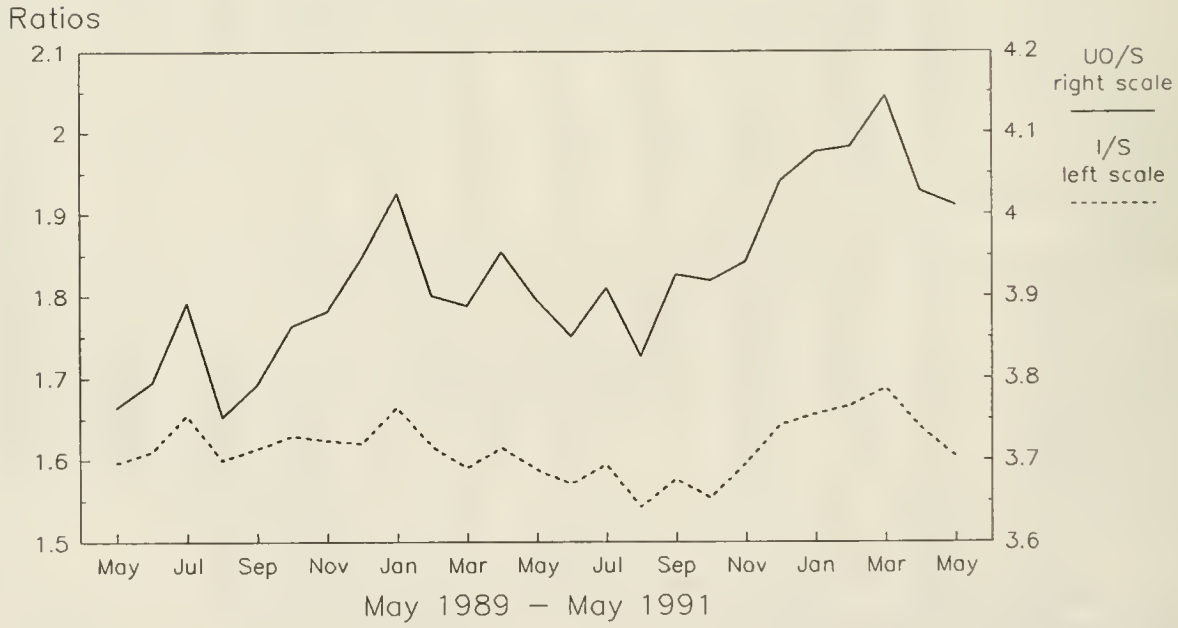
Note : The revisions are the differences between the month-to-month percent changes of the preliminary and final estimates. The monthly averages are the simple averages of the absolute values of the differences for the months specified. The advance to final percent change revisions for the durable goods industries are shown in the advance report for the month.

[1] Average for this month for the last five years.

Total Manufacturing
New Orders and Shipments
Three Month Moving Averages

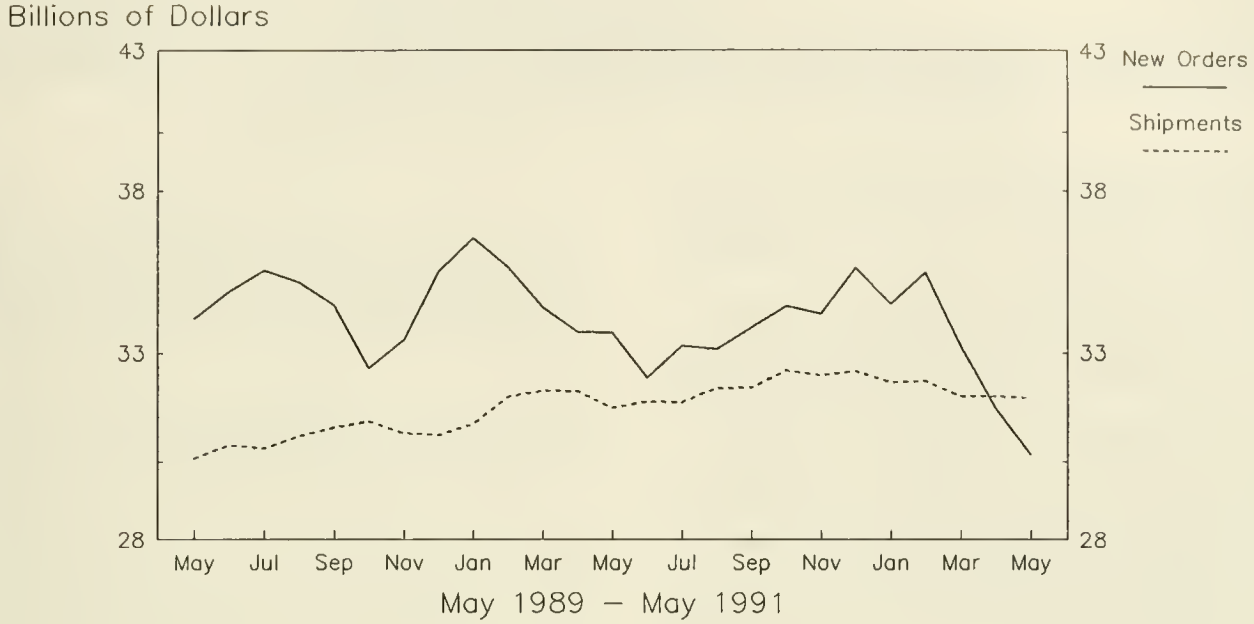


Total Manufacturing
Ratios of Unfilled Orders and
Inventories to Shipments

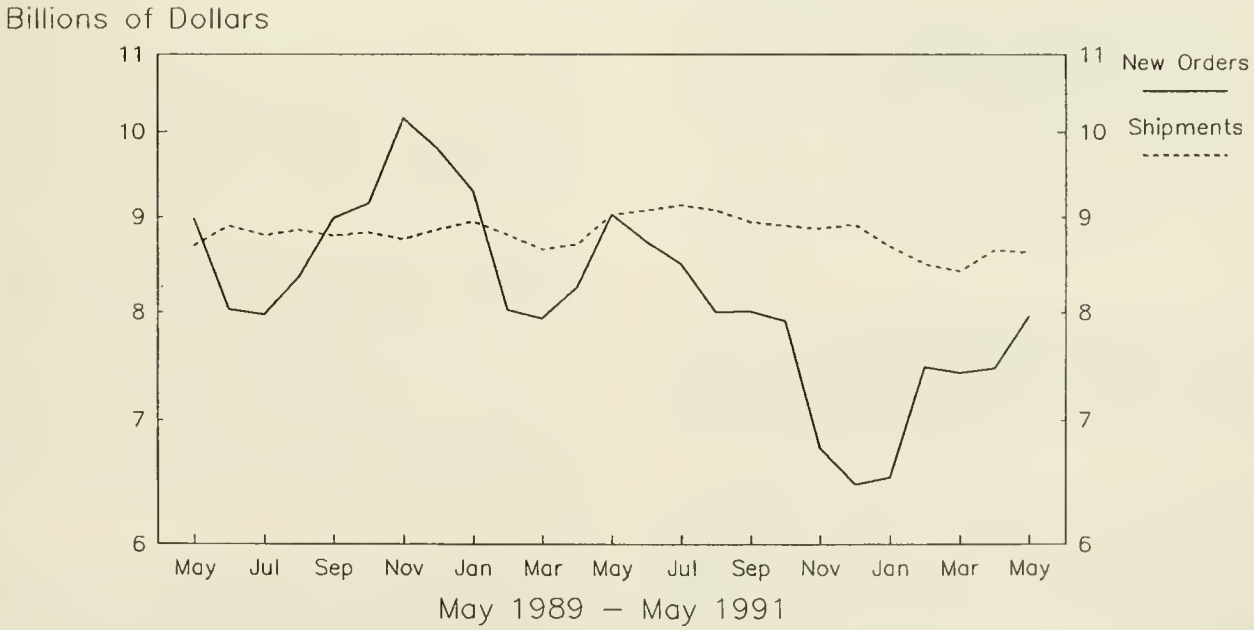


Note: All Charts based on seasonally adjusted current dollars.

Nondefense Capital Goods
New Orders and Shipments
Three Month Moving Averages



Defense Capital Goods
New Orders and Shipments
Three Month Moving Averages



Note: All Charts based on seasonally adjusted current dollars.

U.S. Department of Commerce
BUREAU OF THE CENSUS
Washington, D.C. 20233

Official Business

Penalty for Private Use, $300

U.S.MAIL

POSTAGE AND FEES PA
U S DEPARTMENT OF COMMER

COM-2

First Class Mail

.158:M 3-1-(91)-6
ent Industrial Reports,...

SUPERENTENDENT OF DOCUMENTS
DEPOS
SEP 19 1991
BOSTON PUBLIC LIBRARY
GOVERNMENT DOCUMENTS DEPARTMENT

Manufacturers' Shipments, Inventories, and Orders

June 1991

U. S. Department of Commerce
BUREAU OF THE CENSUS

M3-1-(91)-6

For Wire Transmissions 10:00 a.m. E.D.T. Wednesday, July 31, 1991

(All figures in text are in seasonally adjusted current dollars)

Summary

New orders for manufactured goods in June declined $3.2 billion or 1.4 percent to $233.3 billion, the Department of Commerce, Bureau of the Census reported today. The June decline follows increases of 2.3 percent in May and 2.1 percent in April. Both the durable and nondurable sectors were down in June.

Shipments were up $0.7 billion or 0.3 percent to $239.0 billion. This is the third consecutive monthly increase following five consecutive monthly declines. An increase in the durable goods sector more than offset a decline in nondurable goods.

Unfilled orders in June declined $5.7 billion or 1.1 percent to $513.6 billion and are at the lowest level since November 1989, when they were $512.4 billion. Both durable goods and nondurable goods were down.

Inventories decreased $1.5 billion or 0.4 percent to $380.3 billion. Inventories have declined six of the past seven months since reaching the high in November 1990 of $392.4 billion. Both the durable and nondurable goods sectors declined in June with most of the decrease in durables. The inventories to shipments ratio in June decreased to 1.59 from 1.60 in May.

New Orders

Orders for durable goods were down $1.6 billion or 1.4 percent to $116.8 billion. This decrease follows increases in May and April. The largest June declines occurred in electronic and other electrical equipment, down $1.7 billion or 9.8 percent to $15.3 billion, and industrial machinery and equipment, down $0.9 billion or 4.2 percent to $20.1 billion.

New orders for transportation contributed the largest increase, up $1.1 billion or 3.8 percent to $29.9 billion as an increase in aircraft and parts more than offset a decrease in shipbuilding and tanks. Other major durable goods industry categories that increased were lumber and wood products; stone, clay, and glass products; and primary metals.

New orders for nondurable goods declined $1.6 billion or 1.4 percent to $116.5 billion. All major industries except apparel; petroleum and coal products; and rubber and plastics had decreases.

Shipments

Shipments for durable goods in June increased $1.1 billion or 0.9 percent to $122.1 billion. This is the third consecutive monthly increase following five consecutive declines. Much of the June increase was attributed to transportation equipment, up $0.6 billion or 1.8 percent to $31.9 billion.

Within the transportation industry, aircraft and parts increased $0.6 billion or 5.5 percent to $11.4 billion. Industrial machinery and equipment increased $0.4 billion or 1.8 percent to $21.1 billion.

Electronic and other electrical equipment decreased $0.2 billion or 1.0 percent to $17.1 billion, and primary metals decreased $0.2 billion or 1.6 percent to $10.4 billion.

Shipments of nondurable goods decreased $0.4 billion or 0.3 percent to $116.9 billion. Within the major categories, decreases in chemicals and allied products and printing and publishing more than offset increases in most of the other industry groups.

Unfilled Orders

Unfilled orders for durable goods decreased $5.3 billion or 1.1 percent to $492.8 billion. After four consecutive monthly declines, unfilled orders for durable goods are at their lowest level since November 1989 when they were $491.0 billion.

The largest decline in unfilled orders occurred in transportation equipment, down $2.0 billion or 0.7 percent to $273.6 billion. Other large decreases occurred in electronic and other electrical equipment,down $1.8 billion or 3.6 percent to $48.0 billion, and industrial machinery and equipment, down $1.0 billion or 1.8 percent to $54.6 billion.

Unfilled orders for nondurable goods in June decreased $0.4 billion or 1.7 percent to $20.9 billion.

Inventories

Inventories for durable goods in June were down $1.2 billion or 0.5 percent to $245.8 billion, with most of the industries declining. Durable goods inventories are at their lowest level since February 1989 when they were $245.5 billion. Nondurable goods inventories decreased $0.3 billion or 0.2 percent to $134.6 billion.

By stage of fabrication, finished goods inventories decreased 1.1 percent in durables and 0.7 percent in nondurables. Work in process was up 0.4 percent in durables and 0.5 percent in nondurables. Materials and supplies decreased 1.5 percent in durables and had virtually no change in nondurables.

The advance report on durable goods for July is scheduled for August 23, 1991 at 8:30 a.m. and the full report on August 30, 1991 at 10:00 a.m. Address inquiries concerning these figures to U.S. Department of Commerce, Bureau of the Census, Industry Division, Washington, DC 20233 or call Steve Andrews or Kathleen Menth, (301) 763-2502 or (301) 763-2512.
For sale by the Superintendent of Documents, U.S. Government Printing Office, Washington, DC 20402. This report is also available the day of issue through the Department of Commerce's online Economic Bulletin Board (N-8-1) (202-377-3870) and through the Census Bureau's online information service-CENDATA. CENDATA is available from Dialog Information Services, INC. (1-800-334-2464) and CompuServe (1-800-848-8199). The CENDATA staff at the Bureau of the Census (301-763-2074) can provide content information and general guidance.

Table 1. VALUE OF MANUFACTURERS' SHIPMENTS FOR INDUSTRY GROUPS
(Millions of dollars)

Industry	Seasonally adjusted						Not seasonally adjusted[1]						
	Monthly			Percent Change			Monthly				Percent change June 91/90	Year to date	
	June 1991[p]	May 1991[r]	Apr. 1991	May-June	Apr.-May	Mar.-Apr.	June 1991[p]	May 1991[r]	Apr. 1991	June 1990		1991[p]	1990
All manufacturing industries	239,004	238,289	234,886	+0.3	+1.4	+2.7	254,640	240,483	235,069	260,400	-2.2	1,414,874	1,448,108
Manufacturing industries with unfilled orders	131,312	130,077	129,334	+0.9	+0.6	+2.2	141,071	129,949	128,541	146,364	-3.6	777,200	806,699
Durable goods industries	122,149	121,024	119,721	+0.9	+1.1	+4.6	133,097	123,418	120,571	140,143	-5.0	720,671	761,745
With unfilled orders	103,258	101,885	101,343	+1.3	+0.5	+3.1	112,334	102,295	100,591	116,288	-3.4	608,783	632,250
Stone, clay, and glass products	4,788	4,617	4,556	+3.7	+1.3	+3.6	5,211	4,756	4,757	5,812	-10.3	27,449	31,990
Primary metals	10,401	10,569	10,626	-1.6	-0.5	+4.0	10,936	10,764	10,966	12,748	-14.2	64,661	73,319
Blast furnaces, steel mills	4,202	4,220	4,135	-0.4	+2.1	+6.0	4,454	4,385	4,327	5,272	-15.5	26,074	30,270
Iron and steel foundries	866	863	851	+0.3	+1.4	+2.5	941	939	897	1,073	-12.3	5,254	5,854
Nonferrous and other primary metals	5,333	5,486	5,640	-2.8	-2.7	+2.7	5,541	5,440	5,742	6,403	-13.5	33,333	37,195
Fabricated metal products	14,958	14,715	14,711	+1.7	0.0	+1.2	16,112	15,367	15,017	17,062	-5.6	90,108	95,687
Industrial machinery and equipment	21,103	20,735	20,890	+1.8	-0.7	+0.2	24,371	20,366	20,557	25,079	-2.8	126,718	133,456
Engines and turbines	1,773	1,513	1,350	+17.2	+12.1	-1.7	1,936	1,429	1,302	1,471	+31.6	8,546	8,057
Farm and garden machinery	1,370	1,251	1,293	+9.5	-3.2	+3.9	1,436	1,385	1,626	1,463	-1.8	8,550	9,508
Construction, mining and material handling equipment	2,827	2,796	2,889	+1.1	-3.2	+8.6	2,982	2,880	3,034	2,921	+2.1	17,269	17,057
Metalworking machinery	1,794	1,771	1,688	+1.3	+4.9	+1.1	1,993	1,744	1,589	2,325	-14.3	10,386	12,343
Computer and office equipment	5,817	5,766	5,860	+0.9	-1.6	+0.1	7,708	5,065	4,725	7,872	-2.1	33,857	34,556
Electronic and other electrical equipment	17,052	17,218	16,755	-1.0	+2.8	+1.4	18,356	17,006	16,197	18,015	+1.9	100,219	99,425
Electrical transmission and distribution equipment and industrial apparatus	2,405	2,300	2,294	+4.6	+0.3	-1.0	2,606	2,299	2,302	2,686	-3.0	14,084	14,637
Household appliances	1,590	1,573	1,550	+1.1	+1.5	+6.8	1,798	1,615	1,589	1,758	+2.3	9,334	9,541
Electric lighting and wiring equipment	1,270	1,322	1,347	-3.9	-1.9	+2.9	1,334	1,288	1,253	1,361	-2.0	7,652	7,593
Household audio and video equipment	736	857	856	-14.1	+0.1	+5.2	806	695	679	851	-5.3	4,363	4,072
Communications equipment	4,015	4,189	3,958	-4.2	+5.8	+1.6	4,430	4,211	3,777	4,176	+6.1	24,101	23,169
Electronic components	5,250	5,391	5,226	-2.6	+3.2	+2.0	5,523	5,398	5,238	5,434	+1.6	31,517	31,080
Transportation equipment	31,869	31,310	30,402	+1.8	+3.0	+11.3	34,414	33,179	31,591	37,276	-7.7	183,009	193,348
Motor vehicles and parts	18,554	18,515	17,372	+0.2	+6.6	+16.5	19,903	20,605	18,767	23,033	-13.6	107,696	120,932
Aircraft, missiles, space vehicles, and parts	11,423	10,829	11,070	+5.5	-2.2	+6.8	12,578	10,591	10,815	12,235	+2.8	63,966	60,444
Shipbuilding and tanks	1,007	1,078	1,137	-6.6	-5.2	+12.9	1,016	1,043	1,082	1,017	-0.1	5,954	5,582
Instruments and related products	9,999	10,012	10,137	-0.1	-1.2	+6.8	10,783	9,920	9,632	10,740	+0.4	58,693	59,398
Search and navigation equipment	2,996	2,973	2,920	+0.8	+1.8	+1.0	3,183	2,865	2,682	3,189	-0.2	16,823	17,791
Measuring and controlling devices	2,343	2,283	2,347	+2.6	-2.7	+4.2	2,493	2,267	2,286	2,579	-3.3	13,863	14,814
Medical instruments and supplies	2,437	2,495	2,526	-2.3	-1.2	+9.1	2,578	2,491	2,439	2,477	+4.1	14,834	13,797
Photographic goods	1,918	1,972	2,081	-2.7	-5.2	+18.1	2,204	1,993	1,946	2,207	-0.1	11,471	11,378
All other durable goods	11,979	11,848	11,644	+1.1	+1.8	+4.2	12,914	12,060	11,854	13,411	-3.7	69,814	75,122
Nondurable goods industries	116,855	117,265	115,165	-0.3	+1.8	+0.8	121,543	117,065	114,498	120,257	+1.1	694,203	686,363
With unfilled orders	28,054	28,192	27,991	-0.5	+0.7	-1.0	28,737	27,654	27,950	30,076	-4.5	168,417	174,449
Food and kindred products	33,287	33,316	32,854	-0.1	+1.4	-0.8	34,653	33,700	32,152	34,493	+0.5	196,972	195,383
Meat products	8,069	8,002	8,020	+0.8	-0.2	-3.0	8,343	8,270	7,860	8,430	-1.0	48,038	47,362
Dairy products	4,512	4,524	4,424	-0.3	+2.3	+0.8	4,747	4,634	4,370	4,908	-3.3	26,628	27,931
Beverages	4,563	4,611	4,271	-1.0	+8.0	-4.2	5,229	4,933	4,489	4,997	+4.6	26,717	26,345
All other foods, except fats and oils	14,730	14,733	14,722	0.0	+0.1	+1.2	14,921	14,420	14,016	14,618	+2.1	87,013	84,874
Tobacco products	2,566	2,567	2,095	0.0	+22.5	-14.6	3,105	2,906	1,817	2,557	+21.4	14,146	13,305
Textile mill products	5,396	5,233	5,085	+3.1	+2.9	+3.1	5,916	5,214	5,026	5,822	+1.6	30,443	32,533
Broadwoven fabrics and other textiles	3,209	3,141	2,999	+2.2	+4.7	+0.8	3,459	3,220	2,978	3,407	+1.5	18,346	19,743
Paper and allied products	10,140	9,952	9,949	+1.9	0.0	-0.5	10,595	9,851	9,921	11,156	-5.0	60,984	64,726
Pulp, paper, and paperboard mill products	4,427	4,252	4,217	+4.1	+0.8	-2.8	4,511	4,228	4,199	4,742	-4.9	26,366	28,074
Paperboard containers and boxes	2,239	2,235	2,248	+0.2	-0.6	+5.5	2,353	2,250	2,296	2,492	-5.6	13,619	14,751
Miscellaneous converted paper products	3,474	3,465	3,484	+0.3	-0.5	-1.1	3,731	3,373	3,426	3,922	-4.9	20,999	21,901
Chemicals and allied products	23,969	24,543	24,117	-2.3	+1.8	+5.4	25,083	24,560	24,971	24,736	+1.4	146,720	142,363
Industrial chemicals	12,419	12,608	12,820	-1.5	-1.7	+4.8	12,841	12,813	13,211	13,360	-3.9	77,952	77,681
Drugs, soaps, and toiletries	8,735	9,143	8,689	-4.5	+5.2	+7.2	9,180	8,405	8,277	8,398	+9.3	51,213	47,446
Petroleum and coal products	14,353	14,331	13,760	+0.2	+4.1	+1.3	14,209	14,352	13,509	13,039	+9.0	83,104	77,002
Rubber and plastics products	7,618	7,482	7,527	+1.8	-0.6	+3.1	8,335	7,807	7,799	8,305	+0.4	45,873	46,079
All other nondurable goods	19,526	19,841	19,778	-1.6	+0.3	-0.9	19,647	18,675	19,303	20,149	-2.5	115,961	114,972

[p] Preliminary. [r] Revised.

[1] Shipments and new orders are the totals for the period and are adjusted for trading-day and calendar-month variations.

Table 2. VALUE OF MANUFACTURERS' NEW ORDERS FOR INDUSTRY GROUPS
(Millions of dollars)

Industry	Seasonally adjusted						Not seasonally adjusted[1]						
	Monthly			Percent Change			Monthly				Percent change June 91/90	Year to date	
	June 1991[p]	May 1991[r]	Apr. 1991	May-June	Apr.-May	Mar.-Apr.	June 1991[p]	May 1991[r]	Apr. 1991	June 1990		1991[p]	1990
All manufacturing industries	233,308	236,540	231,229	-1.4	+2.3	+2.1	246,597	237,591	231,020	255,799	-3.6	1,405,077	1,457,514
Manufacturing industries with unfilled orders	125,616	128,328	125,677	-2.1	+2.1	+1.1	133,028	127,057	124,492	141,763	-6.2	767,403	816,105
Durable goods industries	116,820	118,434	116,139	-1.4	+2.0	+3.6	125,564	119,718	116,644	135,658	-7.4	709,823	770,368
With unfilled orders	97,929	99,295	97,761	-1.4	+1.6	+1.9	104,801	98,595	96,664	111,803	-6.3	597,935	640,873
Stone, clay, and glass products	4,890	4,785	4,774	+2.2	+0.2	+3.9	5,299	4,955	4,920	5,837	-9.2	28,233	31,929
Primary metals	10,769	10,377	10,490	+3.8	-1.1	+7.9	10,798	10,402	10,789	12,076	-10.6	62,871	75,134
Blast furnaces, steel mills	4,480	4,223	4,279	+6.1	-1.3	+16.8	4,310	4,259	4,446	4,841	-11.0	25,023	31,090
Iron and steel foundries	872	794	782	+9.8	+1.5	-0.6	941	807	854	1,092	-13.8	5,024	6,280
Nonferrous and other primary metals	5,417	5,360	5,429	+1.1	-1.3	+2.9	5,547	5,336	5,489	6,143	-9.7	32,824	37,764
Fabricated metal products	14,632	14,703	14,874	-0.5	-1.1	+3.8	15,575	15,267	15,162	16,857	-7.6	89,788	95,307
Industrial machinery and equipment	20,085	20,955	20,243	-4.2	+3.5	+1.9	22,957	20,699	20,003	24,270	-5.4	124,171	132,832
Engines and turbines	1,363	1,597	1,585	-14.7	+0.8	+10.9	1,485	1,482	1,375	1,494	-0.6	8,219	8,222
Construction, mining and material handling equipment	2,446	2,781	2,744	-12.0	+1.3	+19.7	2,538	2,728	2,925	3,044	-16.6	16,153	17,080
Metalworking machinery	1,701	1,616	1,675	+5.3	-3.5	-5.2	1,900	1,584	1,581	2,368	-19.8	10,016	11,911
Computer and office equipment	5,944	6,064	5,572	-2.0	+8.8	-5.3	7,615	5,616	4,619	7,232	+5.3	34,563	34,524
Electronic and other electrical equipment	15,252	16,911	17,330	-9.8	-2.4	+10.8	16,442	16,461	16,997	18,230	-9.8	99,639	100,829
Electrical transmission and distribution equipment and industrial apparatus	2,244	2,238	2,298	+0.3	-2.6	+2.3	2,360	2,230	2,307	2,384	-1.0	14,006	14,450
Electric lighting and wiring equipment	1,280	1,361	1,295	-6.0	+5.1	+3.7	1,344	1,327	1,201	1,419	-5.3	7,763	7,749
Communications equipment	3,654	3,739	3,795	-2.3	-1.5	+13.3	4,097	3,657	3,574	5,149	-20.4	22,349	23,623
Electronic components	4,240	5,418	5,885	-21.7	-7.9	+18.5	4,483	5,321	6,257	4,906	-8.6	32,219	31,623
Transportation equipment	29,883	28,781	27,453	+3.8	+4.8	-3.1	31,577	29,847	27,914	34,820	-9.3	178,804	200,342
Aircraft, missiles, space vehicles, and parts	9,908	7,596	8,677	+30.4	-12.5	-27.8	10,219	6,575	7,682	10,730	-4.8	60,273	68,222
Shipbuilding and tanks	592	1,946	713	-69.6	+172.9	-13.4	662	2,107	691	672	-1.5	6,267	5,188
Instruments and related products	9,503	10,065	9,210	-5.6	+9.3	+6.0	10,369	9,960	8,466	10,415	-0.4	55,970	57,641
Search and navigation equipment	2,690	2,987	2,313	-9.9	+29.1	+12.5	2,906	2,870	1,817	2,915	-0.3	14,390	15,939
Measuring and controlling devices	2,377	2,279	2,222	+4.3	+2.6	-6.8	2,527	2,263	2,161	2,520	+0.3	14,001	14,747
Medical instruments and supplies	2,191	2,515	2,338	-12.9	+7.6	+3.1	2,332	2,511	2,251	2,541	-8.2	14,308	13,959
All other durable goods	11,806	11,857	11,765	-0.4	+0.8	+7.7	12,547	12,127	12,393	13,153	-4.6	70,347	76,354
Nondurable goods industries	116,488	118,106	115,090	-1.4	+2.6	+0.7	121,033	117,873	114,376	120,141	+0.7	695,254	687,146
With unfilled orders	27,687	29,033	27,916	-4.6	+4.0	-1.6	28,227	28,462	27,828	29,960	-5.8	169,468	175,232

[p] Preliminary. [r] Revised.

[1] Shipments and new orders are the totals for the period and are adjusted for trading-day and calendar-month variations.

Table 3. VALUE OF MANUFACTURERS' UNFILLED ORDERS FOR INDUSTRY GROUPS
(Millions of dollars)

Industry	Seasonally adjusted						Not seasonally adjusted				
	Monthly			Percent Change			Monthly				Percent change
	June 1991[p]	May 1991[r]	Apr. 1991	May-June	Apr.-May	Mar.-Apr.	June 1991[p]	May 1991[r]	Apr. 1991	June 1990	June 91/90
All manufacturing industries	513,640	519,336	521,085	-1.1	-0.3	-0.7	514,275	522,318	525,210	527,228	-2.5
Durable goods industries	492,759	498,088	500,678	-1.1	-0.5	-0.7	493,283	500,816	504,516	505,903	-2.5
Stone, clay, and glass products	5,837	5,735	5,567	+1.8	+3.0	+4.1	5,868	5,780	5,581	5,103	+15.0
Primary metals	20,189	19,821	20,013	+1.9	-1.0	-0.7	20,569	20,707	21,069	24,971	-17.6
Blast furnaces, steel mills	7,257	6,979	6,976	+4.0	0.0	+2.1	7,213	7,357	7,483	9,804	-26.4
Iron and steel foundries	2,780	2,774	2,843	+0.2	-2.4	-2.4	2,788	2,788	2,920	3,021	-7.7
Nonferrous and other primary metals	10,152	10,068	10,194	+0.8	-1.2	-2.0	10,568	10,562	10,666	12,146	-13.0
Fabricated metal products	27,044	27,370	27,382	-1.2	0.0	+0.6	26,940	27,477	27,577	27,946	-3.6
Industrial machinery and equipment	54,553	55,571	55,351	-1.8	+0.4	-1.2	54,378	55,792	55,459	58,431	-6.9
Engines and turbines	7,896	8,306	8,222	-4.9	+1.0	+2.9	7,571	8,022	7,969	6,860	+10.4
Construction, mining and material handling equipment	7,003	7,384	7,399	-5.2	-0.2	-1.9	6,975	7,419	7,571	8,571	-18.6
Metalworking machinery	6,684	6,777	6,932	-1.4	-2.2	-0.2	6,684	6,777	6,937	7,272	-8.1
Computer and office equipment	12,412	12,285	11,987	+1.0	+2.5	-2.3	12,424	12,517	11,966	12,192	+1.9
Electronic and other electrical equipment	47,964	49,764	50,071	-3.6	-0.6	+1.2	48,063	49,977	50,522	49,216	-2.3
Electrical transmission and distribution equipment and industrial apparatus	6,549	6,710	6,772	-2.4	-0.9	+0.1	6,502	6,748	6,817	6,341	+2.5
Electric lighting and wiring equipment	2,178	2,168	2,129	+0.5	+1.8	-2.4	2,178	2,168	2,129	2,143	+1.6
Communications equipment	20,723	21,084	21,534	-1.7	-2.1	-0.8	20,651	20,984	21,538	21,789	-5.2
Electronic components	14,111	15,121	15,094	-6.7	+0.2	+4.6	14,407	15,447	15,524	14,787	-2.6
Transportation equipment	273,644	275,630	278,159	-0.7	-0.9	-1.0	273,303	276,140	279,472	268,222	+1.9
Aircraft, missiles, space vehicles, and parts	238,266	239,781	243,014	-0.6	-1.3	-1.0	237,965	240,324	244,340	231,405	+2.8
Shipbuilding and tanks	27,043	27,458	26,590	-1.5	+3.3	-1.6	27,085	27,439	26,375	26,737	+1.3
Instruments and related products	57,051	57,547	57,494	-0.9	+0.1	-1.6	57,322	57,736	57,696	64,294	-10.8
Search and navigation equipment	40,213	40,519	40,505	-0.8	0.0	-1.5	40,425	40,702	40,697	46,760	-13.5
Measuring and controlling devices	8,274	8,240	8,244	+0.4	0.0	-1.5	8,274	8,240	8,244	8,347	-0.9
Medical instruments and supplies	7,535	7,781	7,761	-3.2	+0.3	-2.4	7,535	7,781	7,761	8,096	-6.9
All other durable goods	6,477	6,650	6,641	-2.6	+0.1	+1.9	6,840	7,207	7,140	7,720	-11.4
Nondurable goods industries	20,881	21,248	20,407	-1.7	+4.1	-0.4	20,992	21,502	20,694	21,325	-1.6

[p] Preliminary. [r] Revised.

Table 4. VALUE OF MANUFACTURERS' INVENTORIES FOR INDUSTRY GROUPS
(Millions of dollars)

Industry	Seasonally adjusted						Not seasonally adjusted				
	Monthly			Percent Change			Monthly				Percent change
	June 1991[p]	May 1991[r]	Apr. 1991	May-June	Apr.-May	Mar.-Apr.	June 1991[p]	May 1991[r]	Apr. 1991	June 1990	June 91/90
All manufacturing industries	380,341	381,877	385,145	-0.4	-0.8	-0.2	379,246	384,554	387,458	383,994	-1.2
Manufacturing industries with unfilled orders	261,134	262,339	265,014	-0.5	-1.0	-0.3	261,845	265,328	266,942	268,658	-2.5
Durable goods industries	245,759	246,964	249,546	-0.5	-1.0	-0.3	245,531	249,380	251,304	253,034	-3.0
With unfilled orders	227,655	228,771	230,962	-0.5	-0.9	-0.3	227,863	231,276	232,596	234,551	-2.9
Stone, clay, and glass products	7,994	8,016	8,096	-0.3	-1.0	-0.5	8,047	8,219	8,288	7,827	+2.8
Primary metals	22,547	22,645	23,029	-0.4	-1.7	-1.0	22,446	22,723	23,041	22,653	-0.9
Blast furnaces, steel mills	10,969	11,023	11,216	-0.5	-1.7	-1.8	10,815	10,978	11,085	10,763	+0.5
Iron and steel foundries	1,454	1,440	1,434	+1.0	+0.4	+2.6	1,467	1,477	1,488	1,444	+1.6
Nonferrous and other primary metals	10,124	10,182	10,379	-0.6	-1.9	-0.6	10,164	10,268	10,468	10,446	-2.7
Fabricated metal products	23,501	23,649	23,992	-0.6	-1.4	-1.2	23,619	23,935	24,333	24,700	-4.4
Industrial machinery and equipment	46,905	47,764	48,014	-1.8	-0.5	+0.2	46,683	48,251	48,288	48,039	-2.8
Engines and turbines	3,697	3,802	3,814	-2.8	-0.3	-0.2	3,737	3,863	3,799	3,504	+6.6
Farm and garden machinery	2,353	2,443	2,443	-3.7	0.0	-1.6	2,318	2,454	2,483	2,529	-8.3
Construction, mining and material handling equipment	6,891	6,917	6,911	-0.4	+0.1	+0.6	6,891	6,996	7,008	6,607	+4.3
Metalworking machinery	4,951	5,002	5,029	-1.0	-0.5	+0.1	4,911	5,084	5,076	4,992	-1.6
Computer and office equipment	10,348	10,797	10,821	-4.2	-0.2	+0.1	10,151	10,956	10,821	11,428	-11.2
Electronic and other electrical equipment	29,406	29,522	29,714	-0.4	-0.6	0.0	29,694	30,060	30,072	31,145	-4.7
Electrical transmission and distribution equipment and industrial apparatus	4,337	4,295	4,286	+1.0	+0.2	-1.6	4,335	4,358	4,378	4,618	-6.1
Household appliances	2,289	2,305	2,320	-0.7	-0.6	-2.0	2,369	2,484	2,459	2,916	-18.8
Electric lighting and wiring equipment	3,301	3,317	3,356	-0.5	-1.2	-1.0	3,413	3,412	3,398	3,500	-2.5
Household audio and video equipment	1,003	965	974	+3.9	-0.9	-6.7	1,049	998	981	1,268	-17.3
Communications equipment	5,703	5,810	5,917	-1.8	-1.8	+2.4	5,687	5,822	5,890	5,854	-2.9
Electronic components	9,181	9,202	9,230	-0.2	-0.3	+1.0	9,209	9,254	9,252	9,234	-0.3
Transportation equipment	72,056	72,109	72,985	-0.1	-1.2	-0.2	71,648	72,523	73,240	72,562	-1.3
Motor vehicles and parts	12,474	12,447	12,867	+0.2	-3.3	-0.4	11,961	12,224	12,782	11,651	+2.7
Aircraft, missiles, space vehicles, and parts	55,606	55,678	56,204	-0.1	-0.9	0.0	55,674	56,257	56,547	56,311	-1.1
Shipbuilding and tanks	2,039	1,980	1,869	+3.0	+5.9	-6.4	2,040	2,020	1,897	2,327	-12.3
Instruments and related products	23,703	23,567	23,743	+0.6	-0.7	+0.4	23,791	23,988	24,023	25,080	-5.1
Search and navigation equipment	8,721	8,710	8,858	+0.1	-1.7	+1.0	8,762	8,856	8,971	9,876	-11.3
Measuring and controlling devices	6,259	6,252	6,270	+0.1	-0.3	+0.9	6,215	6,302	6,272	6,600	-5.8
Medical instruments and supplies	5,340	5,276	5,275	+1.2	0.0	+0.4	5,409	5,429	5,380	5,064	+6.8
Photographic goods	2,764	2,696	2,703	+2.5	-0.3	-2.4	2,772	2,758	2,756	2,851	-2.8
All other durable goods	19,647	19,692	19,973	-0.2	-1.4	-1.8	19,603	19,681	20,019	21,028	-6.8
Nondurable goods industries	134,582	134,913	135,599	-0.2	-0.5	0.0	133,715	135,174	136,154	130,960	+2.1
With unfilled orders	33,479	33,568	34,052	-0.3	-1.4	-0.7	33,982	34,052	34,346	34,107	-0.4
Food and kindred products	28,183	28,154	28,321	+0.1	-0.6	+0.4	26,746	27,021	27,681	26,000	+2.9
Meat products	2,960	2,992	3,005	-1.1	-0.4	+1.0	2,969	3,035	3,124	2,956	+0.4
Dairy products	2,374	2,400	2,488	-1.1	-3.5	-0.2	2,402	2,447	2,519	2,581	-6.9
Beverages	4,791	4,671	4,695	+2.6	-0.5	0.0	4,743	4,700	4,779	4,561	+4.0
All other foods, except fats and oils	16,498	16,574	16,660	-0.5	-0.5	+0.5	15,178	15,350	15,693	14,635	+3.7
Tobacco products	5,779	5,788	5,851	-0.2	-1.1	+3.3	5,438	5,609	5,949	5,012	+8.5
Textile mill products	8,540	8,592	8,639	-0.6	-0.5	-0.7	8,650	8,894	8,830	9,158	-5.5
Broadwoven fabrics and other textiles	5,029	5,082	5,126	-1.0	-0.9	-0.2	5,074	5,221	5,230	5,279	-3.9
Paper and allied products	13,455	13,576	13,720	-0.9	-1.0	-0.4	13,596	13,693	13,858	13,370	+1.7
Pulp, paper, and paperboard mill products	5,558	5,644	5,626	-1.5	+0.3	+0.4	5,552	5,695	5,707	5,251	+5.7
Paperboard containers and boxes	3,162	3,155	3,211	+0.2	-1.7	-3.4	3,162	3,164	3,234	3,270	-3.3
Miscellaneous converted paper products	4,735	4,777	4,883	-0.9	-2.2	+0.8	4,882	4,834	4,917	4,849	+0.7
Chemicals and allied products	32,475	32,666	32,772	-0.6	-0.3	-0.1	32,398	32,864	33,114	31,040	+4.4
Industrial chemicals	16,657	16,715	16,811	-0.3	-0.6	-0.5	16,590	16,725	16,939	15,903	+4.3
Drugs, soaps, and toiletries	11,228	11,241	11,183	-0.1	+0.5	+0.7	11,396	11,449	11,266	10,715	+6.4
Petroleum and coal products	11,824	11,759	11,563	+0.6	+1.7	-0.2	11,821	11,900	11,584	10,879	+8.7
Rubber and plastics products	11,538	11,652	11,801	-1.0	-1.3	+0.3	11,481	11,830	12,017	11,263	+1.9
All other nondurable goods	22,788	22,726	22,932	+0.3	-0.9	-0.6	23,585	23,363	23,121	24,238	-2.7

[p] Preliminary. [r] Revised.

Table 5. VALUE OF MANUFACTURERS' SHIPMENTS AND NEW ORDERS FOR TOPICAL SERIES[1]
(Millions of dollars)

Industry	Seasonally adjusted						Not seasonally adjusted [2]						
	Monthly			Percent Change			Monthly				Percent change June 91/90	Year to date	
	June 1991[p]	May 1991[r]	Apr. 1991	May-June	Apr.-May	Mar.-Apr.	June 1991[p]	May 1991[r]	Apr. 1991	June 1990		1991[p]	1990
SHIPMENTS													
All manufacturing industries	239,004	238,289	234,886	+0.3	+1.4	+2.7	254,640	240,483	235,069	260,400	-2.2	1,414,874	1,448,108
Market categories :													
Automotive equipment	8,128	8,237	7,815	-1.3	+5.4	+16.9	8,761	9,163	8,467	10,352	-15.4	47,779	55,469
Home goods and apparel	14,484	14,376	14,405	+0.8	-0.2	+3.6	15,359	13,454	13,781	15,197	+1.1	83,294	83,455
Consumer staples	56,319	56,728	54,903	-0.7	+3.3	-0.5	58,583	56,728	53,520	56,614	+3.5	331,415	321,692
Machinery and equipment	39,354	39,163	38,623	+0.5	+1.4	+5.2	44,049	39,411	38,347	45,010	-2.1	231,868	236,634
Business supplies	19,111	19,455	19,334	-1.8	+0.6	+0.2	19,410	19,276	19,682	19,919	-2.6	116,059	115,506
Construction materials and supplies	13,522	13,297	13,091	+1.7	+1.6	+4.2	14,846	13,649	13,286	15,810	-6.1	78,247	86,887
Defense products	8,620	8,386	8,840	+2.8	-5.1	+3.5	9,178	8,253	8,434	9,575	-4.1	49,918	52,078
Other materials, supplies and and intermediate products	79,466	78,647	77,875	+1.0	+1.0	+2.7	84,454	80,549	79,552	87,923	-3.9	476,294	496,387
Durable goods industries :													
Nondefense capital goods [3]	32,831	32,131	31,733	+2.2	+1.3	+1.0	37,279	31,415	30,789	36,654	+1.7	191,632	190,498
Excluding aircraft and parts	26,144	25,916	25,625	+0.9	+1.1	-0.7	29,916	25,278	24,671	30,205	-1.0	155,009	159,366
Defense capital goods [4]	8,593	8,412	8,860	+2.2	-5.1	+3.4	9,202	8,207	8,314	9,704	-5.2	49,339	51,521
Durables excluding capital goods	80,725	80,481	79,128	+0.3	+1.7	+6.2	86,616	83,796	81,468	93,785	-7.6	479,700	519,726
Miscellaneous series :													
Producers' durable equipment	77,739	77,158	75,682	+0.8	+2.0	+5.4	85,250	79,221	76,363	89,570	-4.8	458,851	480,566
Household durable goods	6,358	6,445	6,460	-1.3	-0.2	+3.9	6,736	6,285	6,325	6,854	-1.7	37,759	38,299
Information technology industries	14,321	14,392	14,433	-0.5	-0.3	+3.0	17,106	13,710	12,930	17,099	0.0	84,565	85,200
Health care equipment and products	7,169	7,442	7,233	-3.7	+2.9	+7.8	7,554	7,049	6,930	7,039	+7.3	42,593	39,566
NEW ORDERS													
All manufacturing industries	233,308	236,540	231,229	-1.4	+2.3	+2.1	246,597	237,591	231,020	255,799	-3.6	1,405,077	1,457,514
Market categories :													
Automotive equipment	8,089	8,262	7,828	-2.1	+5.5	+17.5	8,706	9,139	8,475	10,248	-15.0	47,771	55,441
Home goods and apparel	14,505	14,528	14,601	-0.2	-0.5	+4.9	15,203	13,629	14,133	15,106	+0.6	84,779	84,942
Consumer staples	56,344	56,698	54,838	-0.6	+3.4	-0.7	58,619	56,660	53,463	56,671	+3.4	331,303	321,525
Machinery and equipment	35,270	35,251	35,803	+0.1	-1.5	-3.1	39,533	35,781	35,814	45,003	-12.2	224,936	245,637
Business supplies	19,053	19,582	19,214	-2.7	+1.9	+0.3	19,312	19,378	19,596	19,863	-2.8	115,957	115,655
Construction materials and supplies	13,595	13,411	13,199	+1.4	+1.6	+4.4	14,825	13,747	13,425	15,704	-5.6	78,628	86,891
Defense products	8,043	9,417	7,912	-14.6	+19.0	+12.8	7,789	8,492	6,321	7,529	+3.5	44,958	47,083
Other materials, supplies and and intermediate products	78,409	79,391	77,834	-1.2	+2.0	+4.0	82,610	80,765	79,793	85,675	-3.6	476,745	500,340
Durable goods industries :													
Nondefense capital goods [3]	29,349	28,038	28,748	+4.7	-2.5	-10.0	33,267	27,545	27,882	36,417	-8.6	185,531	200,079
Excluding aircraft and parts	24,248	25,398	24,685	-4.5	+2.9	+3.9	27,490	24,983	23,809	29,535	-6.9	150,176	158,427
Defense capital goods [4]	8,042	9,531	7,790	-15.6	+22.3	+16.4	7,864	8,438	6,198	7,426	+5.9	44,647	46,648
Durables excluding capital goods	79,429	80,865	79,601	-1.8	+1.6	+8.3	84,433	83,735	82,564	91,815	-8.0	479,645	523,641
Miscellaneous series :													
Producers' durable equipment	72,266	74,102	73,440	-2.5	+0.9	+3.5	78,800	76,085	74,529	88,249	-10.7	451,131	487,563
Household durable goods	6,331	6,567	6,580	-3.6	-0.2	+6.7	6,680	6,335	6,623	6,889	-3.0	38,750	39,288
Information technology industries	14,031	14,369	13,765	-2.4	+4.4	+2.5	16,615	13,932	12,448	17,197	-3.4	83,914	84,910
Health care equipment and products	6,923	7,461	7,045	-7.2	+5.9	+5.8	7,307	7,069	6,744	7,102	+2.9	42,064	39,728

[p] Preliminary. [r] Revised.

[1] Topical series are regroupings of the separate industry categories.

[2] Shipments and new orders are the totals for the period and are adjusted for trading-day and calendar-month variations.

[3] Nondefense capital goods industries include : ordnance and accessories; steam, gas and hydraulic turbines; internal combustion engines; construction, mining, and material handling equipment; metalworking machinery; special industry machinery; general industrial machinery; computer and office equipment; refrigeration, heating and service industry machinery; electrical transmission and distribution equipment; electrical industrial apparatus; communications equipment; aircraft, missiles, space vehicles, and engines and parts; ships and tank components; railroad equipment; and search and navigation equipment.

[4] Defense capital goods industries include : ordnance and accessories; communications equipment; aircraft, missiles, space vehicles, and engines and parts; ships, tanks and tank components; and search and navigation equipment.

Table 6. VALUE OF MANUFACTURERS' UNFILLED ORDERS AND TOTAL INVENTORIES FOR TOPICAL SERIES[1]
(Millions of dollars)

Industry	Seasonally adjusted						Not seasonally adjusted				
	Monthly			Percent Change			Monthly				Percent change June 91/90
	June 1991[p]	May 1991[r]	Apr. 1991	May-June	Apr.-May	Mar.-Apr.	June 1991[p]	May 1991[r]	Apr. 1991	June 1990	
UNFILLED ORDERS											
All manufacturing industries	513,640	519,336	521,085	-1.1	-0.3	-0.7	514,275	522,318	525,210	527,228	-2.5
arket categories :											
Automotive equipment	1,852	1,891	1,866	-2.1	+1.3	+0.7	1,829	1,884	1,908	1,990	-8.1
Home goods and apparel	8,098	8,077	7,925	+0.3	+1.9	+2.5	8,479	8,635	8,460	8,252	+2.8
Consumer staples	1,233	1,209	1,239	+2.0	-2.4	-5.0	1,210	1,174	1,242	1,294	-6.5
Machinery and equipment	221,366	225,450	229,362	-1.8	-1.7	-1.2	221,396	225,913	229,542	214,622	+3.2
Business supplies	5,837	5,895	5,768	-1.0	+2.2	-2.0	5,776	5,875	5,773	6,013	-3.9
Construction materials and supplies	12,679	12,606	12,493	+0.6	+0.9	+0.9	12,786	12,806	12,708	12,872	-0.7
Defense products	139,057	139,634	138,603	-0.4	+0.7	-0.7	138,720	140,109	139,870	151,426	-8.4
Other materials, supplies and and intermediate products	123,518	124,574	123,829	-0.8	+0.6	0.0	124,079	125,922	125,707	130,759	-5.1
urable goods industries :											
Nondefense capital goods [3]	244,064	247,546	251,639	-1.4	-1.6	-1.2	243,743	247,755	251,625	235,708	+3.4
Excluding aircraft and parts	82,854	84,750	85,268	-2.2	-0.6	-1.1	82,533	84,959	85,254	88,723	-7.0
Defense capital goods [4]	148,245	148,796	147,677	-0.4	+0.8	-0.7	148,084	149,422	149,191	161,417	-8.3
Durables excluding capital goods	100,450	101,746	101,362	-1.3	+0.4	+0.5	101,456	103,639	103,700	108,778	-6.7
iscellaneous series :											
Producers' durable equipment	247,942	253,415	256,471	-2.2	-1.2	-0.9	247,720	254,170	257,306	243,427	+1.8
Household durable goods	4,769	4,796	4,674	-0.6	+2.6	+2.6	5,089	5,145	5,095	5,549	-8.3
Information technology industries	41,599	41,889	41,912	-0.7	-0.1	-1.6	41,627	42,118	41,896	42,830	-2.8
Health care equipment and products	7,562	7,808	7,790	-3.2	+0.2	-2.3	7,562	7,809	7,789	8,128	-7.0
TOTAL INVENTORIES											
All manufacturing industries	380,341	381,877	385,145	-0.4	-0.8	-0.2	379,246	384,554	387,458	383,994	-1.2
arket categories :											
Automotive equipment	6,234	6,316	6,454	-1.3	-2.1	-0.3	6,092	6,309	6,447	6,308	-3.4
Home goods and apparel	25,370	25,406	25,444	-0.1	-0.1	-1.0	26,213	26,392	25,878	28,866	-9.2
Consumer staples	54,739	54,693	54,796	+0.1	-0.2	+0.6	53,423	53,825	54,422	50,909	+4.9
Machinery and equipment	86,677	87,319	87,832	-0.7	-0.6	+0.1	86,490	88,408	88,715	86,356	+0.2
Business supplies	21,841	21,928	22,276	-0.4	-1.6	-0.7	21,960	22,026	22,352	22,044	-0.4
Construction materials and supplies	23,068	23,054	23,341	+0.1	-1.2	-1.3	23,197	23,373	23,640	23,592	-1.7
Defense products	34,578	34,670	35,057	-0.3	-1.1	+0.1	34,695	35,078	35,183	38,266	-9.3
Other materials, supplies and and intermediate products	127,834	128,491	129,945	-0.5	-1.1	-0.4	127,176	129,143	130,821	127,653	-0.4
urable goods industries :											
Nondefense capital goods [3]	82,912	83,747	84,146	-1.0	-0.5	+0.2	82,798	84,742	84,870	83,120	-0.4
Excluding aircraft and parts	54,938	55,785	56,004	-1.5	-0.4	+0.2	54,872	56,516	56,460	57,276	-4.2
Defense capital goods [4]	37,104	37,124	37,581	-0.1	-1.2	+0.1	37,219	37,543	37,735	40,741	-8.6
Durables excluding capital goods	125,743	126,093	127,819	-0.3	-1.4	-0.8	125,514	127,095	128,699	129,173	-2.8
iscellaneous series :											
Producers' durable equipment	139,487	140,447	141,580	-0.7	-0.8	-0.2	139,100	141,918	142,822	142,250	-2.2
Household durable goods	12,088	12,134	12,225	-0.4	-0.7	-1.7	12,364	12,477	12,403	13,769	-10.2
Information technology industries	26,933	27,440	27,628	-1.8	-0.7	+0.5	26,696	27,798	27,713	29,204	-8.6
Health care equipment and products	11,459	11,401	11,373	+0.5	+0.2	+0.6	11,615	11,667	11,524	10,905	+6.5

See footnotes at end of table 5.

Table 7. VALUE OF MANUFACTURERS' INVENTORIES, BY STAGE OF FABRICATION, BY INDUSTRY GROUP
(Millions of dollars)

Industry	Seasonally adjusted						Not seasonally adjusted				
	Monthly			Percent Change			Monthly				Percent change
	June 1991[P]	May 1991[r]	Apr. 1991	May-June	Apr.-May	Mar.-Apr.	June 1991[P]	May 1991[r]	Apr. 1991	June 1990	June 91/90
MATERIALS AND SUPPLIES											
All manufacturing industries	116,694	117,767	118,797	-0.9	-0.9	-0.8	115,600	117,023	118,487	117,658	-1.7
Durable goods industries	67,366	68,425	69,274	-1.5	-1.2	-1.2	66,766	67,903	68,807	69,721	-4.2
Stone, clay, and glass products	2,488	2,458	2,488	+1.2	-1.2	-1.4	2,485	2,467	2,487	2,526	-1.6
Primary metals	6,998	7,104	7,204	-1.5	-1.4	-0.9	6,858	6,896	6,945	7,176	-4.4
Fabricated metal products	7,979	8,096	8,347	-1.4	-3.0	-2.0	7,951	8,038	8,317	8,803	-9.7
Industrial machinery and equipment	12,773	13,043	13,176	-2.1	-1.0	+0.2	12,653	12,973	13,145	13,176	-4.0
Electronic and other electrical equipment	8,947	9,058	9,056	-1.2	0.0	-0.9	8,877	9,097	9,111	9,654	-8.0
Transportation equipment	14,248	14,633	14,729	-2.6	-0.7	-1.6	14,198	14,596	14,732	14,042	+1.1
Instruments and related products	5,752	5,715	5,725	+0.6	-0.2	-0.2	5,782	5,765	5,732	5,940	-2.7
Lumber, furniture and miscellaneous durable goods	8,181	8,318	8,549	-1.6	-2.7	-2.7	7,962	8,071	8,338	8,404	-5.2
Nondurable goods industries	49,328	49,342	49,523	0.0	-0.4	-0.3	48,834	49,120	49,680	47,937	+1.9
Food and kindred products	9,593	9,523	9,472	+0.7	+0.5	+0.9	9,259	9,388	9,523	8,895	+4.
Tobacco products	4,363	4,315	4,306	+1.1	+0.2	+1.1	4,107	4,228	4,304	3,817	+7.6
Textile mill products	2,350	2,362	2,360	-0.5	+0.1	-4.0	2,386	2,442	2,429	2,517	-5.2
Paper and allied products	6,999	7,062	7,148	-0.9	-1.2	-0.3	7,044	7,009	7,142	7,036	+0.
Chemicals and allied products	10,974	10,984	11,014	-0.1	-0.3	+0.7	10,973	10,962	11,023	10,565	+3.9
Petroleum and coal products	3,294	3,277	3,212	+0.5	+2.0	-2.3	3,351	3,312	3,292	3,217	+4.1
Rubber and plastics products	4,100	4,159	4,235	-1.4	-1.8	-0.6	4,024	4,129	4,212	4,048	-0.
Apparel, printing and publishing and leather goods	7,655	7,660	7,776	-0.1	-1.5	-1.5	7,690	7,650	7,755	7,842	-1.9
WORK IN PROCESS											
All manufacturing industries	140,158	139,532	140,337	+0.4	-0.6	-0.2	139,838	140,876	141,583	142,426	-1.
Durable goods industries	117,828	117,308	118,041	+0.4	-0.6	-0.5	117,789	118,598	119,042	120,478	-2.
Stone, clay, and glass products	1,035	1,066	1,074	-2.9	-0.7	-0.5	1,052	1,093	1,120	1,041	+1.
Primary metals	9,242	9,203	9,305	+0.4	-1.1	-0.3	9,205	9,282	9,446	9,018	+2.
Fabricated metal products	8,051	8,007	7,941	+0.5	+0.8	-2.3	8,014	8,157	8,125	8,230	-2.
Industrial machinery and equipment	21,508	21,538	21,197	-0.1	+1.6	-2.0	21,499	21,875	21,316	20,920	+2.
Electronic and other electrical equipment	12,229	12,128	12,351	+0.8	-1.8	+0.7	12,330	12,291	12,463	12,501	-1.
Transportation equipment	48,663	48,429	49,095	+0.5	-1.4	-0.1	48,493	48,740	49,300	50,471	-3.
Instruments and related products	12,697	12,649	12,812	+0.4	-1.3	+0.4	12,764	12,860	12,954	13,815	-7.
Lumber, furniture and miscellaneous durable goods	4,403	4,288	4,266	+2.7	+0.5	-0.6	4,432	4,300	4,318	4,482	-1.
Nondurable goods industries	22,330	22,224	22,296	+0.5	-0.3	+1.4	22,049	22,278	22,541	21,948	+0.
Food and kindred products	3,350	3,385	3,347	-1.0	+1.1	-0.9	3,220	3,259	3,332	3,237	-0.
Tobacco products	145	144	147	+0.7	-2.0	-11.4	111	121	122	120	-7.
Textile mill products	2,465	2,444	2,470	+0.9	-1.1	+1.9	2,468	2,473	2,488	2,571	-4.
Paper and allied products	1,314	1,350	1,318	-2.7	+2.4	-4.8	1,336	1,352	1,330	1,440	-7.
Chemicals and allied products	5,305	5,294	5,272	+0.2	+0.4	+2.2	5,246	5,400	5,361	4,998	+5.
Petroleum and coal products	2,910	2,791	2,755	+4.3	+1.3	+6.1	2,878	2,820	2,785	2,504	+14.
Rubber and plastics products	1,539	1,550	1,656	-0.7	-6.4	+6.0	1,486	1,545	1,637	1,545	-3.
Apparel, printing and publishing and leather goods	5,302	5,266	5,331	+0.7	-1.2	0.0	5,304	5,308	5,486	5,533	-4.
FINISHED GOODS											
All manufacturing industries	123,489	124,578	126,011	-0.9	-1.1	+0.3	123,808	126,655	127,388	123,910	-0.
Durable goods industries	60,565	61,231	62,231	-1.1	-1.6	+0.9	60,976	62,879	63,455	62,835	-3.
Stone, clay, and glass products	4,471	4,492	4,534	-0.5	-0.9	0.0	4,510	4,659	4,681	4,260	+5.
Primary metals	6,307	6,338	6,520	-0.5	-2.8	-2.1	6,383	6,545	6,650	6,459	-1.
Fabricated metal products	7,471	7,546	7,704	-1.0	-2.1	+1.1	7,654	7,740	7,891	7,667	-0.
Industrial machinery and equipment	12,624	13,183	13,641	-4.2	-3.4	+3.8	12,531	13,403	13,827	13,943	-10.
Electronic and other electrical equipment	8,230	8,336	8,307	-1.3	+0.3	-0.1	8,487	8,672	8,498	8,990	-5.
Transportation equipment	9,145	9,047	9,161	+1.1	-1.2	+2.0	8,957	9,187	9,208	8,049	+11.
Instruments and related products	5,254	5,203	5,206	+1.0	-0.1	+1.3	5,245	5,363	5,337	5,325	-1.
Lumber, furniture and miscellaneous durable goods	7,063	7,086	7,158	-0.3	-1.0	-1.4	7,209	7,310	7,363	8,142	-11.
Nondurable goods industries	62,924	63,347	63,780	-0.7	-0.7	-0.2	62,832	63,776	63,933	61,075	+2.
Food and kindred products	15,240	15,246	15,502	0.0	-1.7	+0.3	14,267	14,374	14,826	13,868	+2.
Tobacco products	1,271	1,329	1,398	-4.4	-4.9	+13.0	1,220	1,260	1,523	1,075	+13.
Textile mill products	3,725	3,786	3,809	-1.6	-0.6	-0.2	3,796	3,979	3,913	4,070	-6.
Paper and allied products	5,142	5,164	5,254	-0.4	-1.7	+0.7	5,216	5,332	5,386	4,894	+6.
Chemicals and allied products	16,196	16,388	16,486	-1.2	-0.6	-1.3	16,179	16,502	16,730	15,477	+4.
Petroleum and coal products	5,620	5,691	5,596	-1.2	+1.7	-1.8	5,592	5,768	5,507	5,158	+8.
Rubber and plastics products	5,899	5,943	5,910	-0.7	+0.6	-0.6	5,971	6,156	6,168	5,670	+5.
Apparel, printing and publishing and leather goods	9,831	9,800	9,825	+0.3	-0.3	-0.2	10,591	10,405	9,880	10,863	-2.

[P] Prelimary. [r] Revised.

Table 8. RATIOS OF MANUFACTURES' INVENTORIES TO SHIPMENTS AND UNFILLED ORDERS TO SHIPMENTS, BY INDUSTRY GROUP
(Based on seasonally adjusted data)

Industry	Inventory / Shipments ratio				Unfilled Orders / Shipments ratio[1]			
	June 1991[p]	May 1991[r]	Apr. 1991	Mar. 1991	June 1991[p]	May 1991[r]	Apr. 1991	Mar. 1991
All manufacturing industries	1.59	1.60	1.64	1.69	3.91	3.99	4.03	4.14
urable goods industries	2.01	2.04	2.08	2.19	4.77	4.89	4.94	5.13
Stone, clay, and glass products	1.67	1.74	1.78	1.85	1.35	1.38	1.35	1.35
Primary metals	2.17	2.14	2.17	2.28	1.94	1.88	1.88	1.97
Fabricated metal products	1.57	1.61	1.63	1.67	1.99	2.06	2.05	2.06
Industrial machinery and equipment	2.22	2.30	2.30	2.30	2.76	2.85	2.82	2.86
Electronic and other electrical equipment	1.72	1.71	1.77	1.80	2.81	2.89	2.99	3.00
Transportation equipment	2.26	2.30	2.40	2.68	12.31	13.02	13.41	14.40
Instruments and related products	2.37	2.35	2.34	2.49	5.71	5.75	5.67	6.16
ondurable goods industries	1.15	1.15	1.18	1.19	0.74	0.75	0.73	0.72
Food and kindred products	0.85	0.85	0.86	0.85	(X)	(X)	(X)	(X)
Tobacco products	2.25	2.25	2.79	2.31	(X)	(X)	(X)	(X)
Textile mill products	1.58	1.64	1.70	1.76	(NA)	(NA)	(NA)	(NA)
Paper and allied products	1.33	1.36	1.38	1.38	(NA)	(NA)	(NA)	(NA)
Chemicals and allied products	1.35	1.33	1.36	1.43	(X)	(X)	(X)	(X)
Petroleum and coal products	0.82	0.82	0.84	0.85	(X)	(X)	(X)	(X)
Rubber and plastics products	1.51	1.56	1.57	1.61	(X)	(X)	(X)	(X)

[p] Preliminary. [r] Revised. (X) Not applicable. (NA) Not available.

[1] Excludes the following industries with no unfilled orders : Wood and lumber products; glass containers; metal cans, barrels and drums; farm and garden machinery; motor vehicle assembly perations; other transportation equipment; foods and related products; tobacco; knitting mill products; apparel and related products; chemicals; petroleum and coal products; and rubber and plastics roducts.

Table 9. AVERAGE REVISIONS TO PREVIOUSLY PUBLISHED MONTHLY PERCENT CHANGES
(Based on seasonally adjusted data)

Industry	Shipments			New orders			Unfilled orders			Inventories		
	June 1990	June[1] 1986-1990	June 1990-May 1991	June 1990	June[1] 1986-1990	June 1990-May 1991	June 1990	June[1] 1986-1990	June 1990-May 1991	June 1990	June[1] 1986-1990	June 1990-May 1991
All manufacturing industries	0.1	0.2	0.2	0.0	0.1	0.2	0.0	0.1	0.0	0.0	0.1	0.0
urable goods industries	0.1	0.1	0.3	0.1	0.3	0.3	0.0	0.1	0.0	0.0	0.1	0.1
Stone, clay, and glass products	0.5	0.4	0.5	0.5	0.5	0.6	0.0	0.6	0.3	0.0	0.3	0.2
Primary metals	0.1	0.6	0.5	0.5	0.7	0.8	0.3	0.4	0.2	0.1	0.2	0.1
Fabricated metal products	0.2	0.5	0.6	0.7	1.3	0.7	0.3	0.5	0.2	0.1	0.1	0.4
ndustrial machinery and equipment	0.5	0.5	0.5	0.4	1.2	0.8	0.1	0.3	0.2	0.0	0.2	0.1
Electronic and other electrical equipment	0.2	0.2	0.3	1.0	0.7	0.9	0.2	0.1	0.2	0.1	0.2	0.1
Transportation equipment	0.0	0.4	0.5	0.1	1.0	0.5	0.0	0.2	0.0	0.0	0.1	0.1
nstruments and related products	0.1	0.4	0.4	0.0	1.1	1.9	0.0	0.5	0.3	0.1	0.1	0.2
ndurable goods industries	0.3	0.3	0.2	0.3	0.3	0.2	0.2	0.7	0.2	0.1	0.1	0.1
Food and kindred products	0.2	0.4	0.1	(X)	(X)	(X)	(X)	(X)	(X)	0.1	0.3	0.2
Tobacco products	0.0	0.2	0.6	(X)	(X)	(X)	(X)	(X)	(X)	0.0	0.1	0.0
Textile mill products	0.6	1.3	0.7	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	0.8	0.4	0.2
Paper and allied products	0.4	0.7	0.2	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	0.6	0.5	0.2
Chemicals and allied products	1.4	0.9	0.4	(X)	(X)	(X)	(X)	(X)	(X)	0.0	0.3	0.1
Petroleum and coal products	0.0	0.5	0.5	(X)	(X)	(X)	(X)	(X)	(X)	0.6	0.5	0.2
Rubber and plastics products	0.3	1.0	0.8	(X)	(X)	(X)	(X)	(X)	(X)	0.8	0.4	0.2
pital goods industries :												
Nondefense	0.3	0.3	0.5	0.6	1.2	0.6	0.1	0.4	0.0	0.0	0.1	0.1
Defense	0.0	1.0	0.7	0.0	2.0	3.1	0.0	0.1	0.0	0.0	0.2	0.1

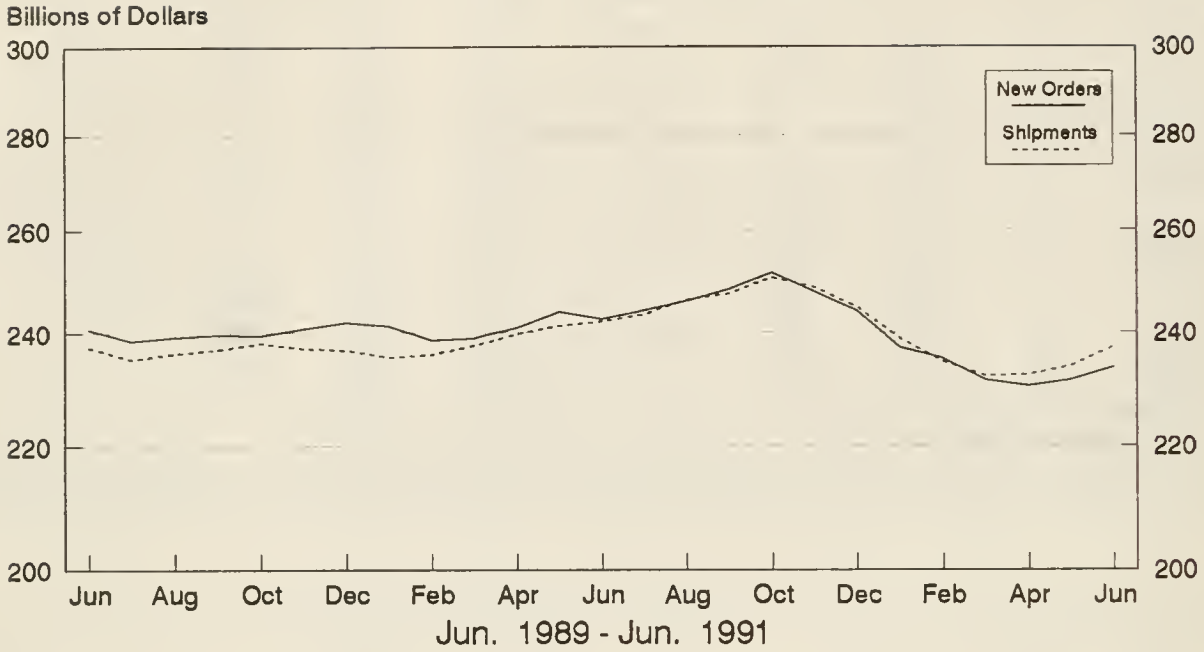
(X) Not applicable. (NA) Not available.

Note : The revisions are the differences between the month-to-month percent changes of the preliminary and final estimates. The monthly averages are the simple averages of the absolute values the differences for the months specified. The advance to final percent change revisions for the durable goods industries are shown in the advance report for tha month.

[1] Average for this month for the last five years.

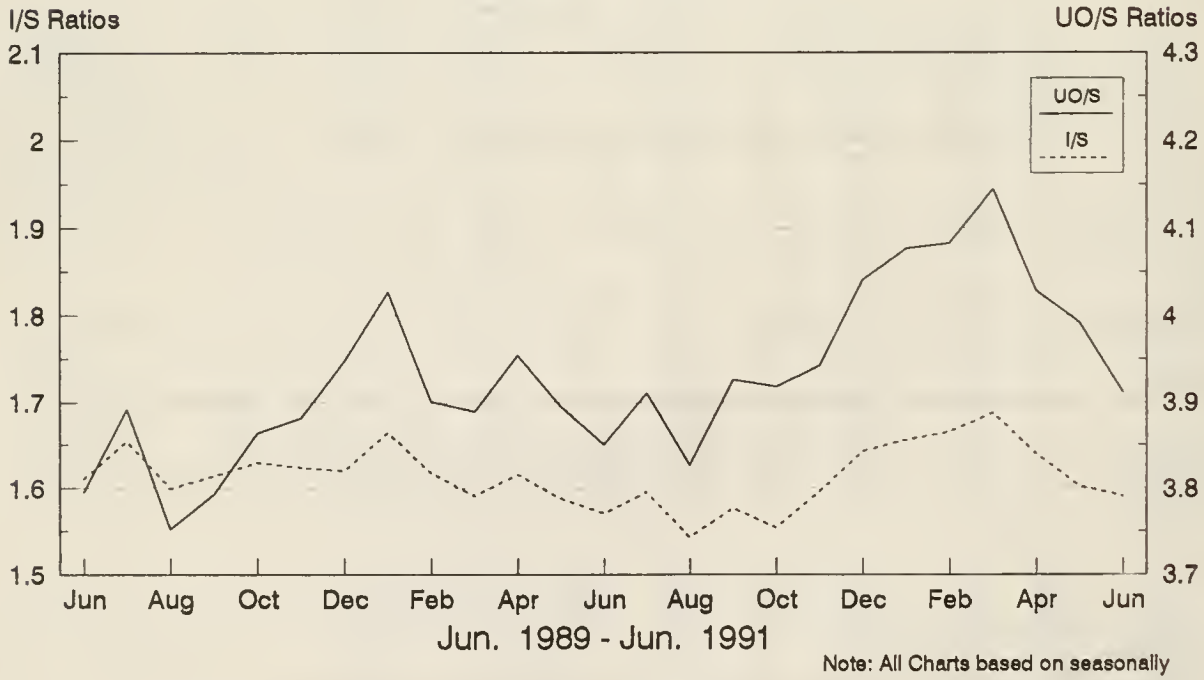
Total Manufacturing

New Orders and Shipments
Three Month Moving Averages



Total Manufacturing

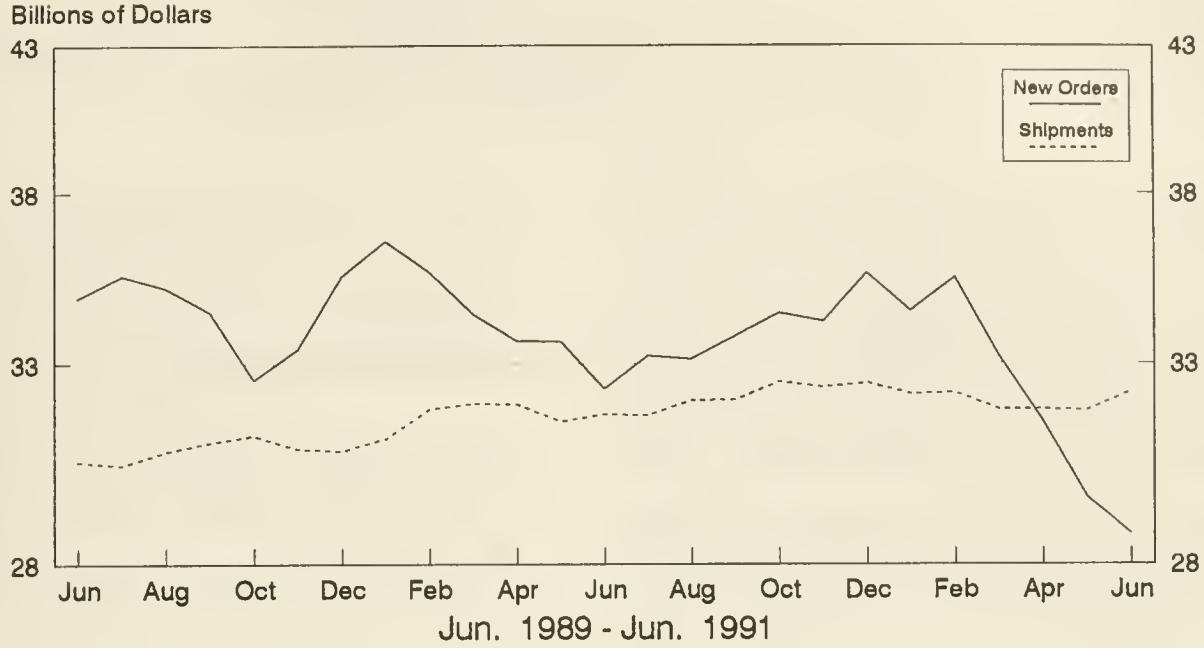
Ratio of Unfilled Orders and
Inventories to Shipments



Note: All Charts based on seasonally adjusted current dollars.

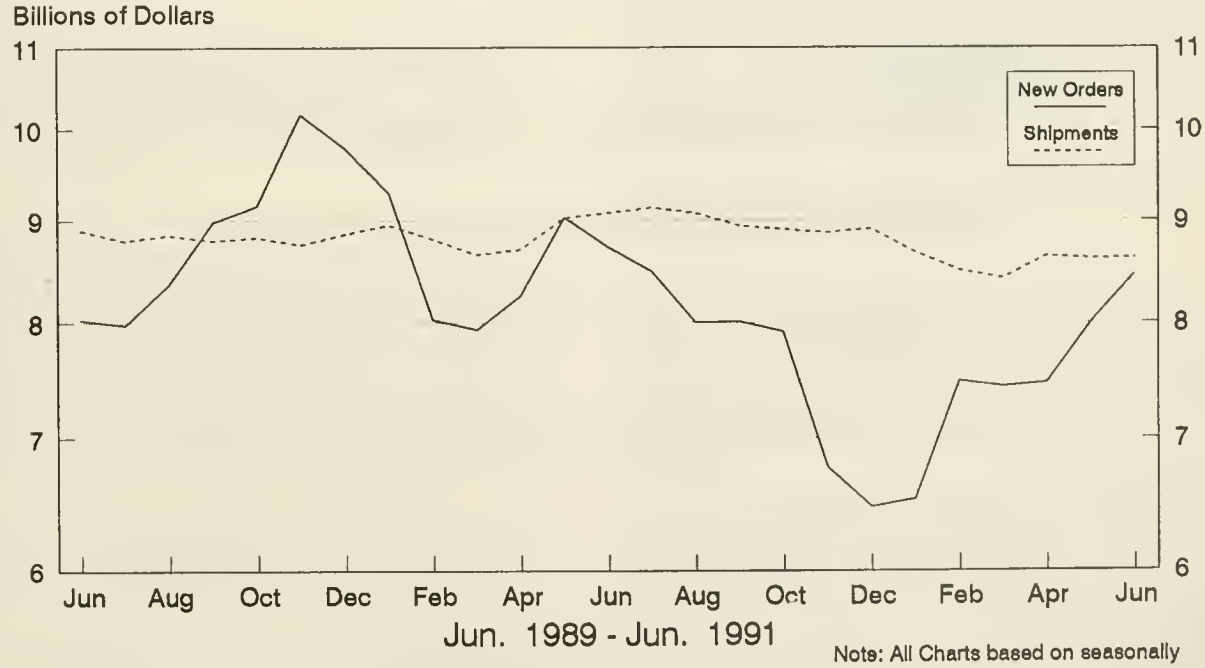
NonDefense Capital Goods

New Orders and Shipments
Three Month Moving Averages



Defense Capital Goods

New Orders and Shipments
Three Month Moving Average



Note: All Charts based on seasonally adjusted current dollars.

U.S. Department of Commerce
BUREAU OF THE CENSUS
Washington, D.C. 20233

Official Business

Penalty for Private Use, $300

U.S.MAIL

POSTAGE AND FEES
U S DEPARTMENT OF COMM

COM-

First Class Mail

.158:M 3-1-(91)-7
nt Industrial Reports,...

SUPERINTENDENT OF DOCUMENTS
DEPOSITORY
OCT 24 1991
BOSTON PUBLIC LIBRARY
GOVERNMENT DOCUMENTS DEPARTMENT

Manufacturers' Shipments, Inventories, and Orders
July 1991

. S. Department of Commerce
JREAU OF THE CENSUS

M3-1-(91)-7
For Wire Transmissions 10:00 a.m. E.D.T. Friday, August 30, 1991

(All figures in text are in seasonally adjusted current dollars)

ummary

New orders for manufactured goods in July increased 14.4 billion or 6.2 percent to $248.2 billion, the Department f Commerce, Bureau of the Census reported today. The uly increase was the largest percentage increase since a 6.6 ercent increase in December 1970. The July increase ollows a June decline of 1.2 percent and increases of 2.3 ercent in May and 2.1 percent in April. Both the durable nd nondurable sectors were up in July.

Shipments were up $1.8 billion or 0.7 percent to $240.9 illion. This is the fourth consecutive monthly increase ollowing five consecutive monthly declines. Both the urable and nondurable goods sectors increased in July.

Unfilled orders in July increased $7.3 billion or 1.4 ercent to $521.2 billion. This is the first increase since ecember 1990. Durable goods contributed virtually all of e increase.

Inventories decreased $2.2 billion or 0.6 percent to 377.8 billion. This makes seven declines in the past eight onths since reaching the high in November 1990 of $392.4 illion. Both the durable and nondurable goods sectors eclined in July. The inventories to shipments ratio in July ecreased to 1.57 from 1.59 in June.

lew Orders

New orders for durable goods in July were up $13.1 illion or 11.2 percent to $130.3 billion. The July increase as the largest percentage increase since an 11.2 percent crease in December 1970. This increase follows a 1.1 ercent decline in June and increases of 2.0 percent in May nd 3.6 percent in April.

With the exception of lumber and wood products, all ajor industry groups in durable goods increased in July. ransportation equipment contributed the largest increase, p $7.9 billion or 26.5 percent to $37.7 billion, with large creases in aircraft and motor vehicle orders. This is the ird consecutive monthly increase in new orders for ansportation equipment following four months of declines. lectronic and other electrical equipment, up $1.9 billion or 2.1 percent to $17.2 billion,and instruments and related roducts, up $1.3 billion or 13.9 percent to $10.9 billion, also ontributed significantly to the new orders increase.

New orders for nondurable goods increased $1.3 billion r 1.1 percent to $117.9 billion. All major industries creased except food and kindred products, petroleum and oal products, and leather goods.

Shipments

Shipments for durable goods in July increased $0.8 billion or 0.6 percent to $123.0 billion. This is the fourth consecutive monthly increase following five monthly declines. The largest increases occurred in transportation equipment, up $0.8 billion or 2.4 percent to $32.6 billion, electronic and other electrical equipment, up $0.2 billion or 1.1 percent to $17.3 billion, and stone, clay, and glass products, up $0.2 billion or 3.6 percent to $4.9 billion. The largest declines were reported in industrial machinery and equipment, down $0.5 billion or 2.4 percent to $20.6 billion, and fabricated metal products, down $0.2 billion or 1.0 percent to $14.8 billion.

Shipments of nondurable goods increased $1.0 billion or 0.8 percent to $117.9 billion. Within the major groups, increases in chemicals and allied products, printing and publishing, rubber and plastics, and textiles more than offset large declines in petroleum and coal products and food and kindred products.

Unfilled Orders

Unfilled orders for durable goods in July increased $7.2 billion or 1.5 percent to $500.2 billion. The July increase follows four consecutive monthly declines.

All major groups in durable goods increased in July except fabricated metal products, electronic and other electrical equipment, and industrial machinery equipment. The largest increases occurred in transportation equipment, up $5.1 billion or 1.9 percent to $278.7 billion, instruments and related products, up $0.9 billion or 1.6 percent to $58.1 billion, and primary metals, up $0.9 billion or 4.4 percent to $21.1 billion.

Unfilled orders for nondurable goods in July remained virtually unchanged at $21.0 billion.

Inventories

Inventories for durable goods in July were down $1.3 billion or 0.5 percent to $244.4 billion, with most industries declining. Durable goods are at their lowest level since January 1989 when they were $244.1 billion. Nondurable goods inventories decreased $0.9 billion or 0.7 percent to $133.4 billion.

By stage of fabrication, finished goods inventories decreased 0.4 percent in durables and 1.3 percent in nondurables. Work in process was down 0.4 percent in durables and 1.0 percent in nondurables. Materials and supplies decreased 0.9 percent in durables and increased 0.2 percent in nondurables.

---

he advance report on durable goods for August is scheduled for September 25, 1991 at 8:30 a.m. and the full report on October 3, 1991 at 10:00 a.m. Address quiries concerning these figures to U.S. Department of Commerce, Bureau of the Census, Industry Division, Washington, DC 20233 or call Steve Andrews r Kathleen Menth, (301) 763-2502 or (301) 763-2512.

or sale by the Superintendent of Documents, U.S. Government Printing Office, Washington, DC 20402. This report is also available the day of issue through e Department of Commerce's online Economic Bulletin Board (N-8-1) (202-377-3870) and through the Census Bureau's online information service-CENDATA. ENDATA is available from Dialog Information Services, INC. (1-800-334-2464) and CompuServe (1-800-848-8199). The CENDATA staff at the Bureau of e Census (301-763-2074) can provide content information and general guidance.

Table 1. VALUE OF MANUFACTURERS' SHIPMENTS FOR INDUSTRY GROUPS
(Millions of dollars)

Industry	Seasonally adjusted						Not seasonally adjusted[1]						
	Monthly			Percent Change			Monthly				Percent change July 91/90	Year to date	
	July 1991[p]	June 1991[r]	May 1991	June-July	May-June	Apr.-May	July 1991[p]	June 1991[r]	May 1991	July 1990		1991[p]	199
All manufacturing industries	240,887	239,118	238,289	+0.7	+0.3	+1.4	219,549	254,733	240,483	220,930	-0.6	1,634,516	1,669,03
Manufacturing industries with unfilled orders	131,735	131,512	130,077	+0.2	+1.1	+0.6	117,473	141,201	129,949	120,925	-2.9	894,803	927,62
Durable goods industries	123,023	122,240	121,024	+0.6	+1.0	+1.1	107,423	133,092	123,418	110,644	-2.9	828,089	872,38
With unfilled orders	103,077	103,273	101,885	-0.2	+1.4	+0.5	90,713	112,281	102,295	93,500	-3.0	699,443	725,75
Stone, clay, and glass products	4,932	4,762	4,617	+3.6	+3.1	+1.3	4,696	5,209	4,756	5,070	-7.4	32,143	37,06
Primary metals	10,553	10,418	10,569	+1.3	-1.4	-0.5	9,775	10,949	10,764	11,394	-14.2	74,449	84,71
Blast furnaces, steel mills	4,266	4,212	4,220	+1.3	-0.2	+2.1	3,946	4,463	4,385	4,620	-14.6	30,029	34,89
Iron and steel foundries	858	865	863	-0.8	+0.2	+1.4	747	940	939	875	-14.6	6,000	6,72
Nonferrous and other primary metals	5,429	5,341	5,486	+1.6	-2.6	-2.7	5,082	5,546	5,440	5,899	-13.8	38,420	43,09
Fabricated metal products	14,848	15,003	14,715	-1.0	+2.0	0.0	13,523	16,144	15,367	14,354	-5.8	103,663	110,04
Industrial machinery and equipment	20,635	21,142	20,735	-2.4	+2.0	-0.7	17,923	24,383	20,366	18,724	-4.3	144,653	152,18
Engines and turbines	1,581	1,781	1,513	-11.2	+17.7	+12.1	1,172	1,935	1,429	966	+21.3	9,717	9,07
Farm and garden machinery	1,278	1,366	1,251	-6.4	+9.2	-3.2	947	1,436	1,385	1,091	-13.2	9,497	10,59
Construction, mining and material handling equipment	2,433	2,807	2,796	-13.3	+0.4	-3.2	2,367	2,983	2,880	2,391	-1.0	19,637	19,4
Metalworking machinery	1,712	1,803	1,771	-5.0	+1.8	+4.9	1,512	2,006	1,744	1,853	-18.4	11,911	14,1
Computer and office equipment	5,872	5,826	5,766	+0.8	+1.0	-1.6	4,463	7,711	5,065	4,402	+1.4	38,323	38,9
Electronic and other electrical equipment	17,278	17,082	17,218	+1.1	-0.8	+2.8	15,352	18,360	17,006	14,965	+2.6	115,575	114,3
Electrical transmission and distribution equipment and industrial apparatus	2,268	2,416	2,300	-6.1	+5.0	+0.3	1,991	2,614	2,299	2,108	-5.6	16,083	16,7
Household appliances	1,533	1,585	1,573	-3.3	+0.8	+1.5	1,476	1,798	1,615	1,483	-0.5	10,810	11,0
Electric lighting and wiring equipment	1,299	1,267	1,322	+2.5	-4.2	-1.9	1,126	1,332	1,288	1,110	+1.4	8,776	8,7
Household audio and video equipment	887	728	857	+21.8	-15.1	+0.1	704	805	695	616	+14.3	5,066	4,6
Communications equipment	4,256	4,026	4,189	+5.7	-3.9	+5.8	3,641	4,422	4,211	3,395	+7.2	27,734	26,5
Electronic components	5,408	5,270	5,391	+2.6	-2.2	+3.2	5,002	5,530	5,398	4,812	+3.9	36,526	35,8
Transportation equipment	32,597	31,823	31,310	+2.4	+1.6	+3.0	25,701	34,310	33,179	25,473	+0.9	208,606	218,8
Motor vehicles and parts	19,913	18,561	18,515	+7.3	+0.2	+6.6	14,250	19,809	20,605	14,133	+0.8	121,852	135,0
Aircraft, missiles, space vehicles, and parts	10,846	11,389	10,829	-4.8	+5.2	-2.2	9,748	12,566	10,591	9,598	+1.6	73,702	70,0
Shipbuilding and tanks	1,009	992	1,078	+1.7	-8.0	-5.2	936	1,018	1,043	906	+3.3	6,892	6,4
Instruments and related products	9,981	9,962	10,012	+0.2	-0.5	-1.2	9,073	10,774	9,920	9,137	-0.7	67,757	68,5
Search and navigation equipment	2,848	2,957	2,973	-3.7	-0.5	+1.8	2,413	3,179	2,865	2,750	-12.3	19,232	20,5
Measuring and controlling devices	2.320	2,338	2,283	-0.8	+2.4	-2.7	2,141	2,488	2,267	2,200	-2.7	15,999	17,0
Medical instruments and supplies	2,569	2,444	2,495	+5.1	-2.0	-1.2	2,435	2,578	2,491	2,232	+9.1	17,269	16,0
Photographic goods	1,916	1,914	1,972	+0.1	-2.9	-5.2	1,772	2,204	1,993	1,718	+3.1	13,243	13,0
All other durable goods	12,199	12,048	11,848	+1.3	+1.7	+1.8	11,380	12,963	12,060	11,527	-1.3	81,243	86,6
Nondurable goods industries	117,864	116,878	117,265	+0.8	-0.3	+1.8	112,126	121,641	117,065	110,286	+1.7	806,427	796,6
With unfilled orders	28,658	28,239	28,192	+1.5	+0.2	+0.7	26,760	28,920	27,654	27,425	-2.4	195,360	201,8
Food and kindred products	33,112	33,265	33,316	-0.5	-0.2	+1.4	31,925	34,635	33,700	31,872	+0.2	228,879	227,2
Meat products	7,971	8,049	8,002	-1.0	+0.6	-0.2	7,843	8,333	8,270	8,044	-2.5	55,871	55,4
Dairy products	4,438	4,482	4,524	-1.0	-0.9	+2.3	4,465	4,721	4,634	4,733	-5.7	31,067	32,6
Beverages	4,522	4,562	4,611	-0.9	-1.1	+8.0	4,848	5,224	4,933	4,653	+4.2	31,560	30,9
All other foods, except fats and oils	14,860	14,754	14,733	+0.7	+0.1	+0.1	13,448	14,939	14,420	13,052	+3.0	100,479	97,9
Tobacco products	2,583	2,560	2,567	+0.9	-0.3	+22.5	1,811	3,130	2,906	1,726	+4.9	15,982	15,0
Textile mill products	5,646	5,437	5,233	+3.8	+3.9	+2.9	4,907	5,938	5,214	4,447	+10.3	35,372	36,9
Broadwoven fabrics and other textiles	3,343	3,249	3,141	+2.9	+3.4	+4.7	2,791	3,495	3,220	2,623	+6.4	21,173	22,3
Paper and allied products	10,288	10,284	9,952	0.0	+3.3	0.0	10,021	10,738	9,851	10,542	-4.9	71,148	75,2
Pulp, paper, and paperboard mill products	4,355	4,430	4,252	-1.7	+4.2	+0.8	4,259	4,511	4,228	4,590	-7.2	30,625	32,6
Paperboard containers and boxes	2,323	2,265	2,235	+2.6	+1.3	-0.6	2,221	2,357	2,250	2,304	-3.6	15,844	17,0
Miscellaneous converted paper products	3,610	3,589	3,465	+0.6	+3.6	-0.5	3,541	3,870	3,373	3,648	-2.9	24,679	25,5
Chemicals and allied products	24,486	23,895	24,543	+2.5	-2.6	+1.8	22,875	24,992	24,560	22,049	+3.7	169,504	164,4
Industrial chemicals	12,899	12,436	12,608	+3.7	-1.4	-1.7	12,112	12,864	12,813	11,993	+1.0	90,087	89,6
Drugs, soaps, and toiletries	8,858	8,652	9,143	+2.4	-5.4	+5.2	8,238	9,067	8,405	7,556	+9.0	59,338	55,0
Petroleum and coal products	13,773	14,151	14,331	-2.7	-1.3	+4.1	13,707	14,136	14,352	13,035	+5.2	96,738	90,0
Rubber and plastics products	7,911	7,626	7,482	+3.7	+1.9	-0.6	7,561	8,298	7,807	7,426	+1.8	53,397	53,5
All other nondurable goods	20,065	19,660	19,841	+2.1	-0.9	+0.3	19,319	19,774	18,675	19,189	+0.7	135,407	134,1

[p] Preliminary. [r] Revised.

[1] Shipments and new orders are the totals for the period and are adjusted for trading-day and calendar-month variations.

Table 2. VALUE OF MANUFACTURERS' NEW ORDERS FOR INDUSTRY GROUPS
(Millions of dollars)

Industry	Seasonally adjusted						Not seasonally adjusted[1]						
	Monthly			Percent Change			Monthly				Percent change July 91/90	Year to date	
	July 1991[p]	June 1991[r]	May 1991	June-July	May-June	Apr.-May	July 1991[p]	June 1991[r]	May 1991	July 1990		1991[p]	1990
All manufacturing industries	248,167	233,725	236,540	+6.2	-1.2	+2.3	226,904	246,990	237,591	223,035	+1.7	1,632,374	1,680,549
Manufacturing industries with unfilled orders	139,015	126,119	128,328	+10.2	-1.7	+2.1	124,828	133,458	127,057	123,030	+1.5	892,661	939,135
Durable goods industries	130,258	117,128	118,434	+11.2	-1.1	+2.0	114,495	125,745	119,718	113,055	+1.3	824,499	883,423
With unfilled orders	110,312	98,161	99,295	+12.4	-1.1	+1.6	97,785	104,934	98,595	95,911	+2.0	695,853	736,784
Stone, clay, and glass products	5,199	4,959	4,785	+4.8	+3.6	+0.2	4,963	5,395	4,955	5,117	-3.0	33,292	37,046
Primary metals	11,433	10,782	10,377	+6.0	+3.9	-1.1	10,513	10,787	10,402	11,157	-5.8	73,373	86,291
Blast furnaces, steel mills	5,129	4,476	4,223	+14.6	+6.0	-1.3	4,768	4,325	4,259	4,619	+3.2	29,806	35,709
Iron and steel foundries	851	877	794	-3.0	+10.5	+1.5	767	939	807	877	-12.5	5,789	7,157
Nonferrous and other primary metals	5,453	5,429	5,360	+0.4	+1.3	-1.3	4,978	5,523	5,336	5,661	-12.1	37,778	43,425
Fabricated metal products	14,776	14,592	14,703	+1.3	-0.8	-1.1	13,698	15,618	15,267	14,972	-8.5	103,529	110,279
Industrial machinery and equipment	20,574	20,137	20,955	+2.2	-3.9	+3.5	17,978	23,009	20,699	19,919	-9.7	142,201	152,751
Engines and turbines	1,950	1,356	1,597	+43.8	-15.1	+0.8	1,741	1,484	1,482	1,724	+1.0	9,959	9,946
Construction, mining and material handling equipment	2,289	2,373	2,781	-3.5	-14.7	+1.3	2,259	2,492	2,728	2,457	-8.1	18,366	19,537
Metalworking machinery	1,826	1,740	1,616	+4.9	+7.7	-3.5	1,626	1,943	1,584	1,715	-5.2	11,685	13,626
Computer and office equipment	5,786	5,919	6,064	-2.2	-2.4	+8.8	4,509	7,600	5,616	5,139	-12.3	39,057	39,663
Electronic and other electrical equipment	17,237	15,371	16,911	+12.1	-9.1	-2.4	15,428	16,583	16,461	14,899	+3.6	115,208	115,728
Electrical transmission and distribution equipment and industrial apparatus	2,501	2,246	2,238	+11.4	+0.4	-2.6	2,257	2,366	2,230	2,217	+1.8	16,269	16,667
Electric lighting and wiring equipment	1,282	1,266	1,361	+1.3	-7.0	+5.1	1,109	1,331	1,327	1,155	-4.0	8,859	8,904
Communications equipment	3,935	3,781	3,739	+4.1	+1.1	-1.5	3,372	4,235	3,657	3,318	+1.6	25,859	26,941
Electronic components	5,384	4,258	5,418	+26.4	-21.4	-7.9	4,901	4,494	5,321	4,533	+8.1	37,131	36,156
Transportation equipment	37,724	29,814	28,781	+26.5	+3.6	+4.8	30,354	31,411	29,847	26,595	+14.1	208,992	226,937
Aircraft, missiles, space vehicles, and parts	16,501	9,890	7,596	+66.8	+30.2	-12.5	14,689	10,160	6,575	11,004	+33.5	74,903	79,226
Shipbuilding and tanks	485	550	1,946	-11.8	-71.7	+172.9	545	661	2,107	781	-30.2	6,811	5,969
Instruments and related products	10,893	9,563	10,065	+13.9	-5.0	+9.3	9,688	10,366	9,960	8,605	+12.6	65,655	66,246
Search and navigation equipment	3,611	2,745	2,987	+31.5	-8.1	+29.1	2,870	2,908	2,870	2,237	+28.3	17,262	18,176
Measuring and controlling devices	2,276	2,372	2,279	-4.0	+4.1	+2.6	2,097	2,522	2,263	2,158	-2.8	16,093	16,905
Medical instruments and supplies	2,706	2,198	2,515	+23.1	-12.6	+7.6	2,572	2,332	2,511	2,297	+12.0	16,880	16,256
All other durable goods	12,422	11,910	11,857	+4.3	+0.4	+0.8	11,873	12,576	12,127	11,791	+0.7	82,249	88,145
Nondurable goods industries	117,909	116,597	118,106	+1.1	-1.3	+2.6	112,409	121,245	117,873	109,980	+2.2	807,875	797,126
With unfilled orders	28,703	27,958	29,033	+2.7	-3.7	+4.0	27,043	28,524	28,462	27,119	-0.3	196,808	202,351

[p] Preliminary. [r] Revised.

[1] Shipments and new orders are the totals for the period and are adjusted for trading-day and calendar-month variations.

Table 3. VALUE OF MANUFACTURERS' UNFILLED ORDERS FOR INDUSTRY GROUPS
(Millions of dollars)

Industry	Seasonally adjusted						Not seasonally adjusted				
	Monthly			Percent Change			Monthly				Percent change
	July 1991[p]	June 1991[r]	May 1991	June-July	May-June	Apr.-May	July 1991[p]	June 1991[r]	May 1991	July 1990	July 91/90
All manufacturing industries	521,223	513,943	519,336	+1.4	-1.0	-0.3	521,930	514,575	522,318	529,333	-1.4
Durable goods industries	500,211	492,976	498,088	+1.5	-1.0	-0.5	500,541	493,469	500,816	508,314	-1.5
Stone, clay, and glass products	6,199	5,932	5,735	+4.5	+3.4	+3.0	6,233	5,966	5,780	5,150	+21.0
Primary metals	21,065	20,185	19,821	+4.4	+1.8	-1.0	21,283	20,545	20,707	24,734	-14.0
Blast furnaces, steel mills	8,106	7,243	6,979	+11.9	+3.8	0.0	8,041	7,219	7,357	9,803	-18.0
Iron and steel foundries	2,779	2,786	2,774	-0.3	+0.4	-2.4	2,807	2,787	2,788	3,023	-7.1
Nonferrous and other primary metals	10,180	10,156	10,068	+0.2	+0.9	-1.2	10,435	10,539	10,562	11,908	-12.4
Fabricated metal products	26,887	26,959	27,370	-0.3	-1.5	0.0	27,126	26,951	27,477	28,564	-5.0
Industrial machinery and equipment	54,505	54,566	55,571	-0.1	-1.8	+0.4	54,473	54,418	55,792	59,626	-8.6
Engines and turbines	8,250	7,881	8,306	+4.7	-5.1	+1.0	8,140	7,571	8,022	7,618	+6.9
Construction, mining and material handling equipment	6,806	6,950	7,384	-2.1	-5.9	-0.2	6,820	6,928	7,419	8,637	-21.0
Metalworking machinery	6,828	6,714	6,777	+1.7	-0.9	-2.2	6,828	6,714	6,777	7,134	-4.3
Computer and office equipment	12,292	12,378	12,285	-0.7	+0.8	+2.5	12,452	12,406	12,517	12,929	-3.7
Electronic and other electrical equipment	48,012	48,053	49,764	-0.1	-3.4	-0.6	48,276	48,200	49,977	49,150	-1.8
Electrical transmission and distribution equipment and industrial apparatus	6,773	6,540	6,710	+3.6	-2.5	-0.9	6,766	6,500	6,748	6,450	+4.9
Electric lighting and wiring equipment	2,150	2,167	2,168	-0.8	0.0	+1.8	2,150	2,167	2,168	2,188	-1.7
Communications equipment	20,518	20,839	21,084	-1.5	-1.2	-2.1	20,528	20,797	20,984	21,712	-5.5
Electronic components	14,085	14,109	15,121	-0.2	-6.7	+0.2	14,310	14,411	15,447	14,508	-1.4
Transportation equipment	278,748	273,621	275,630	+1.9	-0.7	-0.9	277,894	273,241	276,140	269,344	+3.2
Aircraft, missiles, space vehicles, and parts	243,937	238,282	239,781	+2.4	-0.6	-1.3	242,859	237,918	240,324	232,811	+4.3
Shipbuilding and tanks	26,492	27,016	27,458	-1.9	-1.6	+3.3	26,691	27,082	27,439	26,612	+0.3
Instruments and related products	58,060	57,148	57,547	+1.6	-0.7	+0.1	57,943	57,328	57,736	63,762	-9.1
Search and navigation equipment	41,070	40,307	40,519	+1.9	-0.5	0.0	40,888	40,431	40,702	46,247	-11.6
Measuring and controlling devices	8,230	8,274	8,240	-0.5	+0.4	0.0	8,230	8,274	8,240	8,305	-0.9
Medical instruments and supplies	7,672	7,535	7,781	+1.8	-3.2	+0.3	7,672	7,535	7,781	8,161	-6.0
All other durable goods	6,735	6,512	6,650	+3.4	-2.1	+0.1	7,313	6,820	7,207	7,984	-8.4
Nondurable goods industries	21,012	20,967	21,248	+0.2	-1.3	+4.1	21,389	21,106	21,502	21,019	+1.8

[p] Preliminary. [r] Revised.

Table 4. VALUE OF MANUFACTURERS' INVENTORIES FOR INDUSTRY GROUPS
(Millions of dollars)

Industry	Seasonally adjusted						Not seasonally adjusted				
	Monthly			Percent Change			Monthly				Percent change
	July 1991[p]	June 1991[r]	May 1991	June-July	May-June	Apr.-May	July 1991[p]	June 1991[r]	May 1991	July 1990	July 91/90
All manufacturing industries	377,755	379,968	381,877	-0.6	-0.5	-0.8	378,931	378,904	384,554	388,114	-2.4
lanufacturing industries with nfilled orders	259,554	260,850	262,339	-0.5	-0.6	-1.0	261,771	261,573	265,328	271,308	-3.5
urable goods industries	244,371	245,642	246,964	-0.5	-0.5	-1.0	245,505	245,429	249,380	255,373	-3.9
With unfilled orders	226,481	227,553	228,771	-0.5	-0.5	-0.9	227,990	227,773	231,276	236,615	-3.6
one, clay, and glass products	7,969	8,019	8,016	-0.6	0.0	-1.0	8,040	8,074	8,219	7,846	+2.5
rimary metals	22,269	22,509	22,645	-1.1	-0.6	-1.7	22,307	22,411	22,723	23,004	-3.0
Blast furnaces, steel mills	10,864	10,943	11,023	-0.7	-0.7	-1.7	10,886	10,777	10,978	11,047	-1.5
Iron and steel foundries	1,475	1,458	1,440	+1.2	+1.3	+0.4	1,451	1,468	1,477	1,393	+4.2
Nonferrous and other primary metals	9,930	10,108	10,182	-1.8	-0.7	-1.9	9,970	10,166	10,268	10,564	-5.6
abricated metal products	23,168	23,433	23,649	-1.1	-0.9	-1.4	23,074	23,562	23,935	24,640	-6.4
dustrial machinery and equipment	47,001	46,922	47,764	+0.2	-1.8	-0.5	47,051	46,770	48,251	48,377	-2.7
Engines and turbines	3,674	3,700	3,802	-0.7	-2.7	-0.3	3,810	3,739	3,863	3,608	+5.6
Farm and garden machinery	2,318	2,361	2,443	-1.8	-3.4	0.0	2,225	2,318	2,454	2,490	-10.6
Construction, mining and material handling equipment	6,856	6,879	6,917	-0.3	-0.5	+0.1	6,760	6,893	6,996	6,490	+4.2
Metalworking machinery	4,934	4,951	5,002	-0.3	-1.0	-0.5	4,959	4,913	5,084	5,042	-1.6
Computer and office equipment	10,647	10,350	10,797	+2.9	-4.1	-0.2	10,775	10,199	10,956	11,373	-9.2
ectronic and other electrical equipment	29,358	29,333	29,522	+0.1	-0.6	-0.6	29,549	29,617	30,060	31,175	-5.2
Electrical transmission and distribution equipment and industrial apparatus	4,240	4,331	4,295	-2.1	+0.8	+0.2	4,221	4,331	4,358	4,633	-8.9
Household appliances	2,280	2,292	2,305	-0.5	-0.6	-0.6	2,269	2,369	2,484	2,687	-15.6
Electric lighting and wiring equipment	3,276	3,297	3,317	-0.6	-0.6	-1.2	3,338	3,409	3,412	3,454	-3.4
Household audio and video equipment	982	1,003	965	-2.1	+3.9	-0.9	1,047	1,049	998	1,278	-18.1
Communications equipment	5,702	5,640	5,810	+1.1	-2.9	-1.8	5,702	5,638	5,822	5,886	-3.1
Electronic components	9,232	9,172	9,202	+0.7	-0.3	-0.3	9,297	9,189	9,254	9,448	-1.6
ansportation equipment	71,411	72,071	72,109	-0.9	-0.1	-1.2	71,972	71,624	72,523	74,145	-2.9
Motor vehicles and parts	12,304	12,479	12,447	-1.4	+0.3	-3.3	12,091	11,956	12,224	12,240	-1.2
Aircraft, missiles, space vehicles, and parts	55,111	55,607	55,678	-0.9	-0.1	-0.9	55,782	55,655	56,257	57,189	-2.5
Shipbuilding and tanks	2,060	2,042	1,980	+0.9	+3.1	+5.9	2,124	2,040	2,020	2,443	-13.1
struments and related products	23,643	23,717	23,567	-0.3	+0.6	-0.7	23,847	23,790	23,988	25,118	-5.1
Search and navigation equipment	8,692	8,734	8,710	-0.5	+0.3	-1.7	8,856	8,766	8,856	9,932	-10.8
Measuring and controlling devices	6,171	6,235	6,252	-1.0	-0.3	-0.3	6,165	6,210	6,302	6,620	-6.9
Medical instruments and supplies	5,431	5,362	5,276	+1.3	+1.6	0.0	5,442	5,409	5,429	5,043	+7.9
Photographic goods	2,755	2,768	2,696	-0.5	+2.7	-0.3	2,780	2,772	2,758	2,845	-2.3
ll other durable goods	19,552	19,638	19,692	-0.4	-0.3	-1.4	19,665	19,581	19,681	21,068	-6.7
ondurable goods industries	133,384	134,326	134,913	-0.7	-0.4	-0.5	133,426	133,475	135,174	132,741	+0.5
With unfilled orders	33,073	33,297	33,568	-0.7	-0.8	-1.4	33,781	33,800	34,052	34,693	-2.6
ood and kindred products	27,814	28,169	28,154	-1.3	+0.1	-0.6	27,046	26,723	27,021	26,785	+1.0
Meat products	2,988	2,970	2,992	+0.6	-0.7	-0.4	2,973	2,980	3,035	2,937	+1.2
Dairy products	2,351	2,385	2,400	-1.4	-0.6	-3.5	2,445	2,416	2,447	2,694	-9.2
Beverages	4,737	4,799	4,671	-1.3	+2.7	-0.5	4,656	4,746	4,700	4,589	+1.5
All other foods, except fats and oils	16,141	16,435	16,574	-1.8	-0.8	-0.5	15,544	15,110	15,350	15,304	+1.6
obacco products	5,970	5,803	5,788	+2.9	+0.3	-1.1	5,600	5,447	5,609	4,949	+13.2
extile mill products	8,540	8,546	8,592	-0.1	-0.5	-0.5	8,756	8,655	8,894	9,210	-4.9
Broadwoven fabrics and other textiles	5,041	5,027	5,082	+0.3	-1.1	-0.9	5,127	5,068	5,221	5,321	-3.6
aper and allied products	13,216	13,332	13,576	-0.9	-1.8	-1.0	13,269	13,463	13,693	13,343	-0.6
Pulp, paper, and paperboard mill products	5,511	5,560	5,644	-0.9	-1.5	+0.3	5,489	5,552	5,695	5,300	+3.6
Paperboard containers and boxes	3,112	3,165	3,155	-1.7	+0.3	-1.7	3,146	3,163	3,164	3,282	-4.1
Miscellaneous converted paper products	4,593	4,607	4,777	-0.3	-3.6	-2.2	4,634	4,748	4,834	4,761	-2.7
hemicals and allied products	32,186	32,417	32,666	-0.7	-0.8	-0.3	32,354	32,335	32,864	31,505	+2.7
Industrial chemicals	16,315	16,637	16,715	-1.9	-0.5	-0.6	16,429	16,588	16,725	16,204	+1.4
Drugs, soaps, and toiletries	11,210	11,177	11,241	+0.3	-0.6	+0.5	11,434	11,335	11,449	10,849	+5.4
troleum and coal products	11,610	11,774	11,759	-1.4	+0.1	+1.7	11,542	11,800	11,900	11,038	+4.6
ubber and plastics products	11,417	11,537	11,652	-1.0	-1.0	-1.3	11,365	11,482	11,830	11,360	0.0
ll other nondurable goods	22,631	22,748	22,726	-0.5	+0.1	-0.9	23,494	23,570	23,363	24,551	-4.3

[p] Preliminary. [r] Revised.

Table 5. VALUE OF MANUFACTURERS' SHIPMENTS AND NEW ORDERS FOR TOPICAL SERIES[1]
(Millions of dollars)

Industry	Seasonally adjusted						Not seasonally adjusted [2]						
	Monthly			Percent Change			Monthly				Percent change July 91/90	Year to date	
	July 1991[p]	June 1991[r]	May 1991	June-July	May-June	Apr.-May	July 1991[p]	June 1991[r]	May 1991	July 1990		1991[p]	1990
SHIPMENTS													
All manufacturing industries	240,887	239,118	238,289	+0.7	+0.3	+1.4	219,549	254,733	240,483	220,930	-0.6	1,634,516	1,669,038
Market categories :													
Automotive equipment	8,773	8,145	8,237	+7.7	-1.1	+5.4	6,470	8,749	9,163	6,598	-1.9	54,237	62,067
Home goods and apparel	15,165	14,639	14,376	+3.6	+1.8	-0.2	14,306	15,478	13,454	13,280	+7.7	97,719	96,735
Consumer staples	56,056	56,143	56,728	-0.2	-1.0	+3.3	53,248	58,498	56,728	52,176	+2.1	384,578	373,868
Machinery and equipment	39,207	39,416	39,163	-0.5	+0.6	+1.4	34,111	44,084	39,411	34,068	+0.1	266,014	270,702
Business supplies	19,351	19,115	19,455	+1.2	-1.7	+0.6	17,981	19,456	19,276	18,209	-1.3	134,086	133,715
Construction materials and supplies	13,694	13,503	13,297	+1.4	+1.5	+1.6	13,231	14,826	13,649	13,854	-4.5	91,458	100,741
Defense products	8,354	8,587	8,386	-2.7	+2.4	-5.1	7,432	9,179	8,253	8,119	-8.5	57,351	60,197
Other materials, supplies and and intermediate products	80,287	79,570	78,647	+0.9	+1.2	+1.0	72,770	84,463	80,549	74,626	-2.5	549,073	571,013
Durable goods industries :													
Nondefense capital goods [3]	31,897	32,848	32,131	-2.9	+2.2	+1.3	28,255	37,276	31,415	27,950	+1.1	219,884	218,448
Excluding aircraft and parts	25,721	26,181	25,916	-1.8	+1.0	+1.1	22,606	29,922	25,278	22,811	-0.9	177,621	182,177
Defense capital goods [4]	8,265	8,550	8,412	-3.3	+1.6	-5.1	7,229	9,203	8,207	8,010	-9.8	56,569	59,531
Durables excluding capital goods	82,861	80,842	80,481	+2.5	+0.4	+1.7	71,939	86,613	83,796	74,684	-3.7	551,636	594,410
Miscellaneous series :													
Producers' durable equipment	78,777	77,830	77,158	+1.2	+0.9	+2.0	66,370	85,204	79,221	66,904	-0.8	525,175	547,470
Household durable goods	6,637	6,383	6,445	+4.0	-1.0	-0.2	5,680	6,756	6,285	5,477	+3.7	43,459	43,776
Information technology industries	14,543	14,323	14,392	+1.5	-0.5	-0.3	12,189	17,090	13,710	11,913	+2.3	96,738	97,113
Health care equipment and products	7,373	7,133	7,442	+3.4	-4.2	+2.9	6,901	7,494	7,049	6,333	+9.0	49,434	45,899
NEW ORDERS													
All manufacturing industries	248,167	233,725	236,540	+6.2	-1.2	+2.3	226,904	246,990	237,591	223,035	+1.7	1,632,374	1,680,549
Market categories :													
Automotive equipment	8,778	8,103	8,262	+8.3	-1.9	+5.5	6,507	8,692	9,139	6,613	-1.6	54,264	62,054
Home goods and apparel	15,131	14,645	14,528	+3.3	+0.8	-0.5	14,470	15,301	13,629	13,499	+7.2	99,347	98,447
Consumer staples	56,074	56,249	56,698	-0.3	-0.8	+3.4	53,276	58,617	56,660	52,185	+2.1	384,577	373,710
Machinery and equipment	42,229	35,301	35,251	+19.6	+0.1	-1.5	37,415	39,572	35,781	37,918	-1.3	262,390	283,555
Business supplies	19,314	19,068	19,582	+1.3	-2.6	+1.9	18,039	19,377	19,378	18,311	-1.5	134,061	133,960
Construction materials and supplies	14,015	13,633	13,411	+2.8	+1.7	+1.6	13,538	14,852	13,747	13,908	-2.7	92,193	100,799
Defense products	9,390	8,274	9,417	+13.5	-12.1	+19.0	7,562	7,954	8,492	5,801	+30.4	52,685	52,884
Other materials, supplies and and intermediate products	83,236	78,452	79,391	+6.1	-1.2	+2.0	76,097	82,625	80,765	74,800	+1.7	552,857	575,140
Durable goods industries :													
Nondefense capital goods [3]	36,621	29,282	28,038	+25.1	+4.4	-2.5	33,341	33,243	27,545	32,349	+3.1	218,848	232,428
Excluding aircraft and parts	25,372	24,242	25,398	+4.7	-4.6	+2.9	22,619	27,516	24,983	23,925	-5.5	172,821	182,352
Defense capital goods [4]	9,394	8,281	9,531	+13.4	-13.1	+22.3	7,390	8,026	8,438	5,493	+34.5	52,199	52,147
Durables excluding capital goods	84,243	79,565	80,865	+5.9	-1.6	+1.6	73,764	84,476	83,735	75,213	-1.9	553,452	598,854
Miscellaneous series :													
Producers' durable equipment	79,153	72,243	74,102	+9.6	-2.5	+0.9	67,892	78,752	76,085	72,119	-5.9	518,975	559,682
Household durable goods	6,709	6,367	6,567	+5.4	-3.0	-0.2	5,919	6,681	6,335	5,669	+4.4	44,670	44,957
Information technology industries	14,227	13,978	14,369	+1.8	-2.7	+4.4	12,044	16,563	13,932	12,499	-3.6	95,906	97,409
Health care equipment and products	7,510	6,886	7,461	+9.1	-7.7	+5.9	7,039	7,247	7,069	6,399	+10.0	49,043	46,127

[p] Preliminary. [r] Revised.

[1] Topical series are regroupings of the separate industry categories.

[2] Shipments and new orders are the totals for the period and are adjusted for trading-day and calendar-month variations.

[3] Nondefense capital goods industries include : ordnance and accessories; steam, gas and hydraulic turbines; internal combustion engines; construction, mining, and material handling equipment; metalworking machinery; special industry machinery; general industrial machinery; computer and office equipment; refrigeration, heating and service industry machinery; electrical transmission and distribution equipment; electrical industrial apparatus; communications equipment; aircraft, missiles, space vehicles, and engines and parts; ships and tank components; railroad equipment; and search and navigation equipment.

[4] Defense capital goods industries include : ordnance and accessories; communications equipment; aircraft, missiles, space vehicles, and engines and parts; ships, tanks and tank components; and search and navigation equipment.

Table 6. VALUE OF MANUFACTURERS' UNFILLED ORDERS AND TOTAL INVENTORIES FOR TOPICAL SERIES[1]
(Millions of dollars)

Industry	Seasonally adjusted						Not seasonally adjusted				
	Monthly			Percent Change			Monthly				Percent change
	July 1991[P]	June 1991[r]	May 1991	June-July	May-June	Apr.-May	July 1991[P]	June 1991[r]	May 1991	July 1990	July 91/90
UNFILLED ORDERS											
All manufacturing industries	521,223	513,943	519,336	+1.4	-1.0	-0.3	521,930	514,575	522,318	529,333	-1.4
Market categories :											
Automotive equipment	1,854	1,849	1,891	+0.3	-2.2	+1.3	1,863	1,826	1,884	2,005	-7.1
Home goods and apparel	8,049	8,083	8,077	-0.4	+0.1	+1.9	8,623	8,458	8,635	8,471	+1.8
Consumer staples	1,333	1,315	1,209	+1.4	+8.8	-2.4	1,320	1,292	1,174	1,303	+1.3
Machinery and equipment	224,357	221,335	225,450	+1.4	-1.8	-1.7	224,704	221,400	225,913	218,473	+2.9
Business supplies	5,811	5,848	5,895	-0.6	-0.8	+2.2	5,853	5,795	5,875	6,115	-4.3
Construction materials and supplies	13,057	12,737	12,606	+2.5	+1.0	+0.9	13,139	12,832	12,806	12,926	+1.6
Defense products	140,357	139,321	139,634	+0.7	-0.2	+0.7	139,013	138,884	140,109	149,109	-6.8
Other materials, supplies and and intermediate products	126,405	123,455	124,574	+2.4	-0.9	+0.6	127,415	124,088	125,922	130,931	-2.7
Durable goods industries :											
Nondefense capital goods [3]	248,704	243,980	247,546	+1.9	-1.4	-1.6	248,808	243,722	247,755	240,107	+3.6
Excluding aircraft and parts	82,462	82,811	84,750	-0.4	-2.3	-0.6	82,566	82,553	84,959	89,837	-8.1
Defense capital goods [4]	149,656	148,527	148,796	+0.8	-0.2	+0.8	148,406	148,245	149,422	158,900	-6.6
Durables excluding capital goods	101,851	100,469	101,746	+1.4	-1.3	+0.4	103,327	101,502	103,639	109,307	-5.5
Miscellaneous series :											
Producers' durable equipment	248,204	247,828	253,415	+0.2	-2.2	-1.2	249,240	247,718	254,170	248,642	+0.2
Household durable goods	4,852	4,780	4,796	+1.5	-0.3	+2.6	5,309	5,070	5,145	5,741	-7.5
Information technology industries	41,228	41,544	41,889	-0.8	-0.8	-0.1	41,446	41,591	42,118	43,416	-4.5
Health care equipment and products	7,699	7,562	7,808	+1.8	-3.2	+0.2	7,700	7,562	7,809	8,194	-6.0
TOTAL INVENTORIES											
All manufacturing industries	377,755	379,968	381,877	-0.6	-0.5	-0.8	378,931	378,904	384,554	388,114	-2.4
Market categories :											
Automotive equipment	6,166	6,228	6,316	-1.0	-1.4	-2.1	6,101	6,084	6,309	6,496	-6.1
Home goods and apparel	25,271	25,390	25,406	-0.5	-0.1	-0.1	25,992	26,239	26,392	28,382	-8.4
Consumer staples	54,309	54,578	54,693	-0.5	-0.2	-0.2	53,606	53,252	53,825	51,931	+3.2
Machinery and equipment	86,566	86,647	87,319	-0.1	-0.8	-0.6	86,883	86,498	88,408	87,521	-0.7
Business supplies	21,420	21,702	21,928	-1.3	-1.0	-1.6	21,720	21,837	22,026	22,449	-3.2
Construction materials and supplies	23,044	23,123	23,054	-0.3	+0.3	-1.2	23,130	23,250	23,373	23,547	-1.8
Defense products	34,447	34,585	34,670	-0.4	-0.2	-1.1	34,899	34,694	35,078	38,383	-9.1
Other materials, supplies and and intermediate products	126,532	127,715	128,491	-0.9	-0.6	-1.1	126,600	127,050	129,143	129,405	-2.2
Durable goods industries :											
Nondefense capital goods [3]	82,922	82,869	83,747	+0.1	-1.0	-0.5	83,476	82,822	84,742	84,421	-1.1
Excluding aircraft and parts	54,995	54,890	55,785	+0.2	-1.6	-0.4	55,251	54,904	56,516	57,907	-4.6
Defense capital goods [4]	36,718	37,106	37,124	-1.0	0.0	-1.2	37,207	37,214	37,543	40,947	-9.1
Durables excluding capital goods	124,731	125,667	126,093	-0.7	-0.3	-1.4	124,822	125,393	127,095	130,005	-4.0
Miscellaneous series :											
Producers' durable equipment	138,772	139,370	140,447	-0.4	-0.8	-0.8	139,094	139,053	141,918	143,672	-3.2
Household durable goods	11,984	12,080	12,134	-0.8	-0.4	-0.7	12,251	12,344	12,477	13,578	-9.8
Information technology industries	27,114	26,859	27,440	+0.9	-2.1	-0.7	27,334	26,688	27,798	29,806	-8.3
Health care equipment and products	11,539	11,454	11,401	+0.7	+0.5	+0.2	11,669	11,582	11,667	10,958	+6.5

See footnotes at end of table 5.

Table 7. VALUE OF MANUFACTURERS' INVENTORIES, BY STAGE OF FABRICATION, BY INDUSTRY GROUP
(Millions of dollars)

Industry	Seasonally adjusted						Not seasonally adjusted				
	Monthly			Percent Change			Monthly				Percent change
	July 1991[P]	June 1991[r]	May 1991	June-July	May-June	Apr.-May	July 1991[P]	June 1991[r]	May 1991	July 1990	July 91/90
MATERIALS AND SUPPLIES											
All manufacturing industries	116,209	116,692	117,767	-0.4	-0.9	-0.9	116,091	115,588	117,023	119,252	-2.7
Durable goods industries	66,803	67,387	68,425	-0.9	-1.5	-1.2	66,999	66,790	67,903	70,818	-5.4
Stone, clay, and glass products	2,500	2,501	2,458	0.0	+1.7	-1.2	2,529	2,499	2,467	2,548	-0.7
Primary metals	6,826	6,966	7,104	-2.0	-1.9	-1.4	6,795	6,841	6,896	7,422	-8.4
Fabricated metal products	7,937	8,011	8,096	-0.9	-1.0	-3.0	7,982	8,007	8,038	8,912	-10.4
Industrial machinery and equipment	12,687	12,749	13,043	-0.5	-2.3	-1.0	12,731	12,632	12,973	13,204	-3.6
Electronic and other electrical equipment	8,828	8,940	9,058	-1.3	-1.3	0.0	8,918	8,885	9,097	9,886	-9.8
Transportation equipment	14,242	14,296	14,633	-0.4	-2.3	-0.7	14,206	14,196	14,596	14,419	-1.5
Instruments and related products	5,719	5,752	5,715	-0.6	+0.6	-0.2	5,786	5,780	5,765	5,886	-1.7
Lumber, furniture and miscellaneous durable goods	8,064	8,172	8,318	-1.3	-1.8	-2.7	8,052	7,950	8,071	8,541	-5.7
Nondurable goods industries	49,406	49,305	49,342	+0.2	-0.1	-0.4	49,092	48,798	49,120	48,434	+1.4
Food and kindred products	9,638	9,632	9,523	+0.1	+1.1	+0.5	9,323	9,289	9,388	8,973	+3.9
Tobacco products	4,439	4,356	4,315	+1.9	+1.0	+0.2	4,108	4,118	4,228	3,785	+8.5
Textile mill products	2,352	2,364	2,362	-0.5	+0.1	+0.1	2,434	2,399	2,442	2,520	-3.4
Paper and allied products	6,902	6,934	7,062	-0.5	-1.8	-1.2	6,906	6,964	7,009	6,984	-1.1
Chemicals and allied products	11,045	11,026	10,984	+0.2	+0.4	-0.3	11,105	11,027	10,962	10,712	+3.7
Petroleum and coal products	3,420	3,296	3,277	+3.8	+0.6	+2.0	3,366	3,338	3,312	3,247	+3.7
Rubber and plastics products	4,083	4,104	4,159	-0.5	-1.3	-1.8	4,072	4,023	4,129	4,169	-2.3
Apparel, printing and publishing and leather goods	7,527	7,593	7,660	-0.9	-0.9	-1.5	7,778	7,640	7,650	8,044	-3.3
WORK IN PROCESS											
All manufacturing industries	139,504	140,143	139,532	-0.5	+0.4	-0.6	140,568	139,791	140,876	144,610	-2.8
Durable goods industries	117,324	117,748	117,308	-0.4	+0.4	-0.6	118,257	117,655	118,598	122,163	-3.2
Stone, clay, and glass products	1,058	1,036	1,066	+2.1	-2.8	-0.7	1,066	1,052	1,093	1,007	+5.9
Primary metals	9,154	9,219	9,203	-0.7	+0.2	-1.1	9,195	9,183	9,282	9,161	+0.4
Fabricated metal products	8,122	8,055	8,007	+0.8	+0.6	+0.8	8,006	7,978	8,157	8,204	-2.4
Industrial machinery and equipment	21,487	21,522	21,538	-0.2	-0.1	+1.6	21,474	21,540	21,875	21,323	+0.7
Electronic and other electrical equipment	12,094	12,143	12,128	-0.4	+0.1	-1.8	12,218	12,251	12,291	12,552	-2.7
Transportation equipment	48,199	48,656	48,429	-0.9	+0.5	-1.4	48,944	48,464	48,740	51,397	-4.8
Instruments and related products	12,676	12,714	12,649	-0.3	+0.5	-1.3	12,799	12,765	12,860	13,916	-8.0
Lumber, furniture and miscellaneous durable goods	4,534	4,403	4,288	+3.0	+2.7	+0.5	4,555	4,422	4,300	4,603	-1.0
Nondurable goods industries	22,180	22,395	22,224	-1.0	+0.8	-0.3	22,311	22,136	22,278	22,447	-0.6
Food and kindred products	3,325	3,340	3,385	-0.4	-1.3	+1.1	3,223	3,204	3,259	3,223	0.0
Tobacco products	159	148	144	+7.4	+2.8	-2.0	121	112	121	124	-2.4
Textile mill products	2,488	2,467	2,444	+0.9	+0.9	-1.1	2,533	2,468	2,473	2,602	-2.7
Paper and allied products	1,271	1,328	1,350	-4.3	-1.6	+2.4	1,312	1,356	1,352	1,455	-9.8
Chemicals and allied products	5,224	5,281	5,294	-1.1	-0.2	+0.4	5,294	5,229	5,400	5,101	+3.8
Petroleum and coal products	2,783	2,905	2,791	-4.2	+4.1	+1.3	2,778	2,901	2,820	2,563	+8.4
Rubber and plastics products	1,525	1,544	1,550	-1.2	-0.4	-6.4	1,512	1,492	1,545	1,604	-5.7
Apparel, printing and publishing and leather goods	5,405	5,382	5,266	+0.4	+2.2	-1.2	5,538	5,374	5,308	5,775	-4.1
FINISHED GOODS											
All manufacturing industries	122,042	123,133	124,578	-0.9	-1.2	-1.1	122,272	123,525	126,655	124,252	-1.6
Durable goods industries	60,244	60,507	61,231	-0.4	-1.2	-1.6	60,249	60,984	62,879	62,392	-3.4
Stone, clay, and glass products	4,411	4,482	4,492	-1.6	-0.2	-0.9	4,445	4,523	4,659	4,291	+3.6
Primary metals	6,289	6,324	6,338	-0.6	-0.2	-2.8	6,317	6,387	6,545	6,421	-1.6
Fabricated metal products	7,109	7,367	7,546	-3.5	-2.4	-2.1	7,086	7,577	7,740	7,524	-5.8
Industrial machinery and equipment	12,827	12,651	13,183	+1.4	-4.0	-3.4	12,846	12,598	13,403	13,850	-7.2
Electronic and other electrical equipment	8,436	8,250	8,336	+2.3	-1.0	+0.3	8,413	8,481	8,672	8,737	-3.7
Transportation equipment	8,970	9,119	9,047	-1.6	+0.8	-1.2	8,822	8,964	9,187	8,329	+5.9
Instruments and related products	5,248	5,251	5,203	-0.1	+0.9	-0.1	5,262	5,245	5,363	5,316	-1.0
Lumber, furniture and miscellaneous durable goods	6,954	7,063	7,086	-1.5	-0.3	-1.0	7,058	7,209	7,310	7,924	-10.9
Nondurable goods industries	61,798	62,626	63,347	-1.3	-1.1	-0.7	62,023	62,541	63,776	61,860	+0.3
Food and kindred products	14,851	15,197	15,246	-2.3	-0.3	-1.7	14,500	14,230	14,374	14,589	-0.6
Tobacco products	1,372	1,299	1,329	+5.6	-2.3	-4.9	1,371	1,217	1,260	1,040	+31.8
Textile mill products	3,700	3,715	3,786	-0.4	-1.9	-0.6	3,789	3,788	3,979	4,088	-7.3
Paper and allied products	5,043	5,070	5,164	-0.5	-1.8	-1.7	5,051	5,143	5,332	4,904	+3.0
Chemicals and allied products	15,917	16,110	16,388	-1.2	-1.7	-0.6	15,955	16,079	16,502	15,692	+1.7
Petroleum and coal products	5,407	5,573	5,691	-3.0	-2.1	+1.7	5,398	5,561	5,768	5,228	+3.3
Rubber and plastics products	5,809	5,889	5,943	-1.4	-0.9	+0.6	5,781	5,967	6,156	5,587	+3.5
Apparel, printing and publishing and leather goods	9,699	9,773	9,800	-0.8	-0.3	-0.3	10,178	10,556	10,405	10,732	-5.2

[P] Prelimary. [r] Revised.

Table 8. RATIOS OF MANUFACTURES' INVENTORIES TO SHIPMENTS AND UNFILLED ORDERS TO SHIPMENTS, BY INDUSTRY GROUP
(Based on seasonally adjusted data)

Industry	Inventory / Shipments ratio				Unfilled Orders / Shipments ratio[1]			
	July 1991[p]	June 1991[r]	May 1991	Apr. 1991	July 1991[p]	June 1991[r]	May 1991	Apr. 1991
All manufacturing industries	1.57	1.59	1.60	1.64	3.96	3.91	3.99	4.03
Durable goods industries	1.99	2.01	2.04	2.08	4.85	4.77	4.89	4.94
Stone, clay, and glass products	1.62	1.68	1.74	1.78	1.38	1.38	1.38	1.35
Primary metals	2.11	2.16	2.14	2.17	2.00	1.94	1.88	1.88
Fabricated metal products	1.56	1.56	1.61	1.63	1.99	1.98	2.06	2.05
Industrial machinery and equipment	2.28	2.22	2.30	2.30	2.82	2.76	2.85	2.82
Electronic and other electrical equipment	1.70	1.72	1.71	1.77	2.78	2.81	2.89	2.99
Transportation equipment	2.19	2.26	2.30	2.40	12.81	12.37	13.02	13.41
Instruments and related products	2.37	2.38	2.35	2.34	5.82	5.74	5.75	5.67
Nondurable goods industries	1.13	1.15	1.15	1.18	0.73	0.74	0.75	0.73
Food and kindred products	0.84	0.85	0.85	0.86	(X)	(X)	(X)	(X)
Tobacco products	2.31	2.27	2.25	2.79	(X)	(X)	(X)	(X)
Textile mill products	1.51	1.57	1.64	1.70	(NA)	(NA)	(NA)	(NA)
Paper and allied products	1.28	1.30	1.36	1.38	(NA)	(NA)	(NA)	(NA)
Chemicals and allied products	1.31	1.36	1.33	1.36	(X)	(X)	(X)	(X)
Petroleum and coal products	0.84	0.83	0.82	0.84	(X)	(X)	(X)	(X)
Rubber and plastics products	1.44	1.51	1.56	1.57	(X)	(X)	(X)	(X)

[p] Preliminary. [r] Revised. (X) Not applicable. (NA) Not available.

[1] Excludes the following industries with no unfilled orders : Wood and lumber products; glass containers; metal cans, barrels and drums; farm and garden machinery; motor vehicle assembly operations; other transportation equipment; foods and related products; tobacco; knitting mill products; apparel and related products; chemicals; petroleum and coal products; and rubber and plastics products.

Table 9. AVERAGE REVISIONS TO PREVIOUSLY PUBLISHED MONTHLY PERCENT CHANGES
(Based on seasonally adjusted data)

Industry	Shipments			New orders			Unfilled orders			Inventories		
	July 1990	July[1] 1986-1990	July 1990-June 1991	July 1990	July[1] 1986-1990	July 1990-June 1991	July 1990	July[1] 1986-1990	July 1990-June 1991	July 1990	July[1] 1986-1990	July 1990-June 1991
All manufacturing industries	0.1	0.2	0.2	0.1	0.4	0.2	0.1	0.1	0.0	0.0	0.1	0.0
Durable goods industries	0.0	0.2	0.3	0.2	0.4	0.4	0.0	0.1	0.0	0.1	0.1	0.1
Stone, clay, and glass products	0.0	0.3	0.5	0.2	0.5	0.7	0.2	0.4	0.4	0.2	0.2	0.2
Primary metals	0.7	0.3	0.5	0.2	0.5	0.8	0.5	0.3	0.2	0.0	0.1	0.1
Fabricated metal products	1.1	0.9	0.6	1.4	1.0	0.6	0.1	0.3	0.2	0.3	0.2	0.4
Industrial machinery and equipment	0.0	0.4	0.5	0.7	0.6	0.8	0.2	0.3	0.2	0.1	0.1	0.1
Electronic and other electrical equipment	0.1	0.2	0.3	0.2	0.4	0.9	0.0	0.1	0.2	0.1	0.1	0.1
Transportation equipment	0.1	0.2	0.5	0.5	0.6	0.5	0.1	0.1	0.0	0.0	0.0	0.1
Instruments and related products	0.1	0.8	0.4	0.1	1.1	2.0	0.0	0.5	0.3	0.0	0.3	0.1
Nondurable goods industries	0.0	0.3	0.2	0.0	0.3	0.2	0.1	0.7	0.3	0.1	0.1	0.1
Food and kindred products	0.0	0.2	0.1	(X)	(X)	(X)	(X)	(X)	(X)	0.2	0.3	0.2
Tobacco products	0.0	0.1	0.7	(X)	(X)	(X)	(X)	(X)	(X)	0.0	0.1	0.0
Textile mill products	0.0	1.3	0.7	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	0.0	0.4	0.1
Paper and allied products	0.1	0.5	0.3	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	0.1	0.4	0.2
Chemicals and allied products	0.1	0.5	0.3	(X)	(X)	(X)	(X)	(X)	(X)	0.0	0.2	0.1
Petroleum and coal products	0.3	0.5	0.6	(X)	(X)	(X)	(X)	(X)	(X)	0.2	0.5	0.1
Rubber and plastics products	1.3	1.4	0.8	(X)	(X)	(X)	(X)	(X)	(X)	0.5	0.4	0.1
Capital goods industries :												
Nondefense	0.1	0.3	0.4	0.1	0.5	0.6	0.0	0.2	0.0	0.1	0.1	0.1
Defense	0.4	0.7	0.7	0.7	1.3	3.4	0.0	0.0	0.1	0.1	0.0	0.1

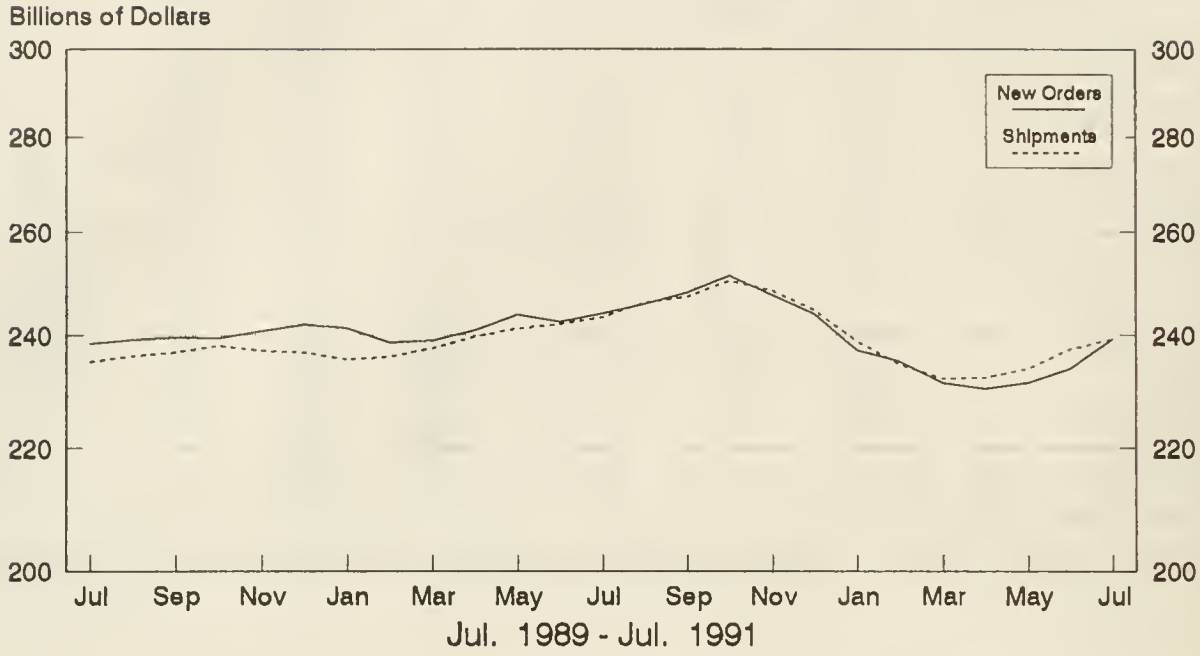
(X) Not applicable. (NA) Not available.

Note : The revisions are the differences between the month-to-month percent changes of the preliminary and final estimates. The monthly averages are the simple averages of the absolute values of the differences for the months specified. The advance to final percent change revisions for the durable goods industries are shown in the advance report for the month.

[1] Average for this month for the last five years.

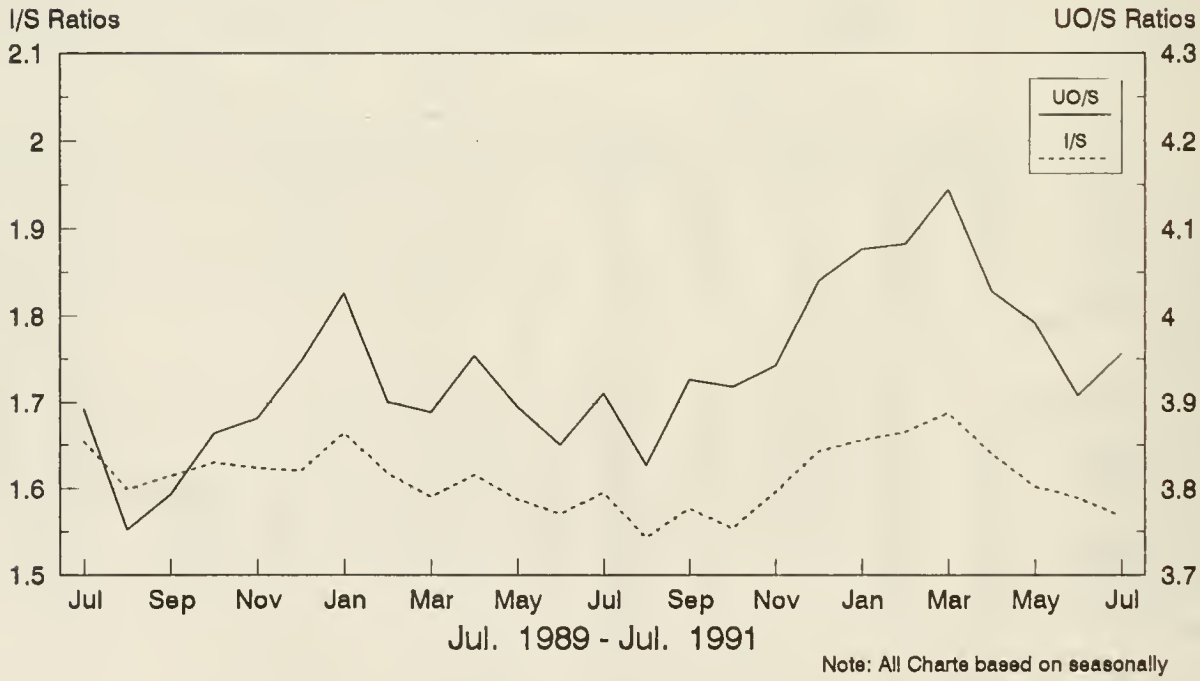
Total Manufacturing

New Orders and Shipments
Three Month Moving Averages



Total Manufacturing

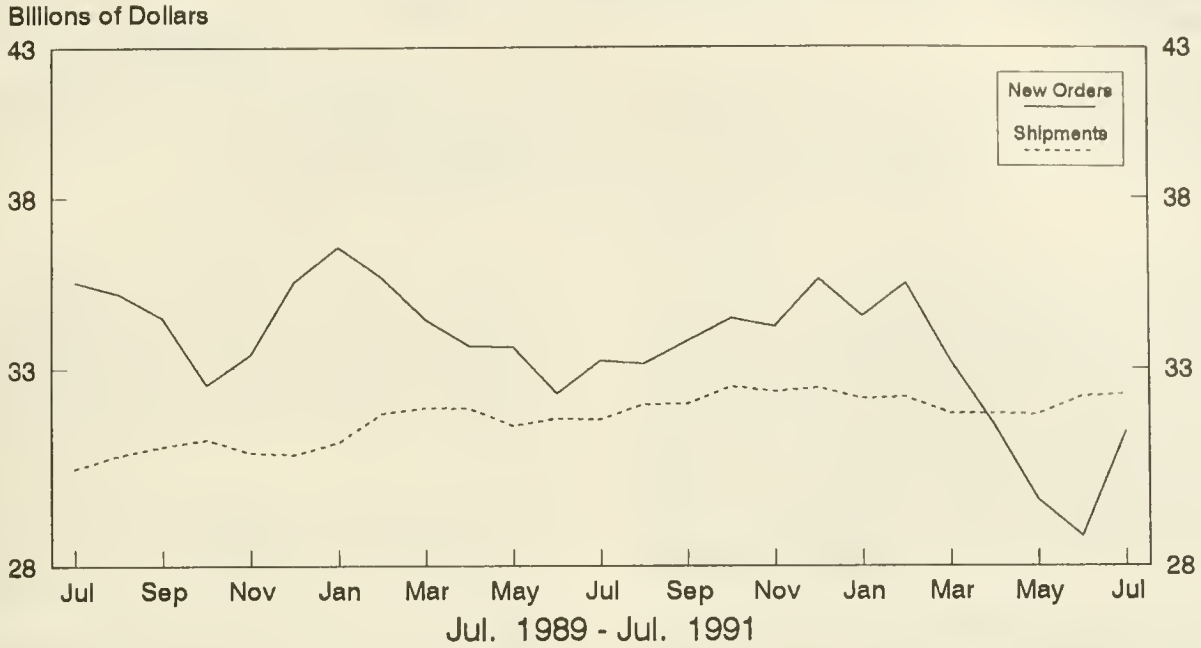
Ratio of Unfilled Orders and
Inventories to Shipments



Note: All Charts based on seasonally adjusted current dollars.

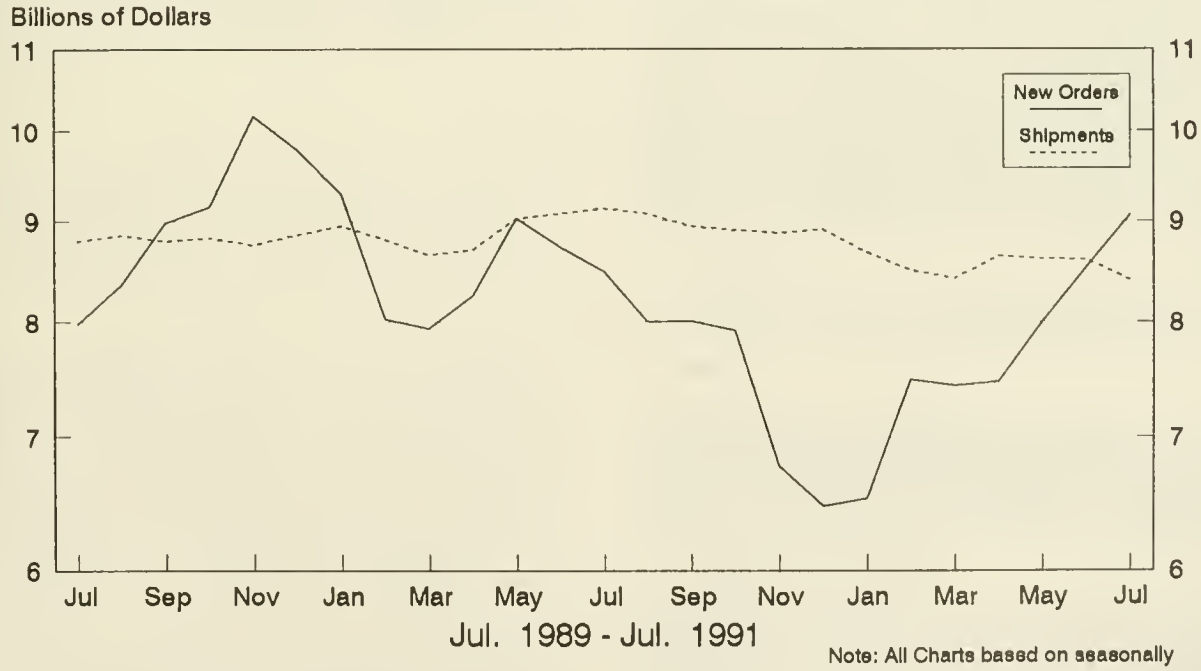
NonDefense Capital Goods

New Orders and Shipments
Three Month Moving Averages



Defense Capital Goods

New Orders and Shipments
Three Month Moving Averages



Note: All Charts based on seasonally adjusted current dollars.

U.S. Department of Commerce
BUREAU OF THE CENSUS
Washington, D.C. 20233

Official Business
Penalty for Private Use, $300

POSTAGE AND FEES PAID
U.S. DEPARTMENT OF COMMERCE
COM-202

First Class Mail

C3.158:M 3-1-(91)-8
Current Industrial Report...

DEPOSITORY
OCT 16 1991
BOSTON PUBLIC LIBRARY
GOVERNMENT DOCUMENTS DEPARTMENT

Manufacturers' Shipments, Inventories, and Orders

August 1991

U. S. Department of Commerce
BUREAU OF THE CENSUS

M3-1-(91)-8
For Wire Transmissions 10:00 a.m. E.D.T. Thursday, October 3, 1991

(All figures in text are in seasonally adjusted current dollars)

Summary

New orders for manufactured goods in August decreased $4.8 billion or 1.9 percent to $243.3 billion, the Department of Commerce, Bureau of the Census reported today. The August decrease follows a July increase of 6.1 percent and a decrease of 1.2 percent in June. A decline in orders for durable goods more than offset an increase in the nondurable goods sector.

Shipments were up $1.8 billion or 0.8 percent to $242.0 billion. This is the fifth consecutive monthly increase following five consecutive monthly declines and is at the highest level since the November 1990 level of $245.8 billion. Both durable and nondurable sectors were up in August.

Unfilled orders in August increased $1.3 billion or 0.3 percent to $523.2 billion. This is the second consecutive monthly increase. Both durable and nondurable sectors were up in August.

Inventories decreased $1.2 billion or 0.3 percent to $376.8 billion. This makes eight declines in the past nine months since reaching the high in November 1990 of $392.4 billion. Inventories are at the lowest level since March 1989 when they were $374.6 billion. The durable goods sector contributed nearly all of the decline in August. The inventories to shipments ratio in August decreased to 1.56 from 1.57 in July.

New Orders

New orders for durable goods in August were down $5.1 billion or 3.9 percent to $125.7 billion. The August decrease follows an 11.7 percent increase in July and a decrease of 1.1 percent in June. Excluding defense, new orders were down $6.6 billion or 5.4 percent to $114.8 billion.

With the exception of lumber and wood products and fabricated metal products, all major industry groups in durable goods decreased in August. Transportation equipment contributed the largest decrease, down $3.3 billion or 8.8 percent to $34.5 billion, as a large decrease in aircraft and parts more than offset increases in shipbuilding and tanks and motor vehicle and parts orders. This is the first decline in transportation equipment since April when the level was $27.5 billion. Electronic and other electrical equipment was down $1.4 billion or 8.2 percent to $16.1 billion with declines in nearly all industry categories.

New orders for nondurable goods increased $0.4 billion or 0.3 percent to $117.6 billion. Increases in food and kindred products, textile mill products, and leather goods more than offset a decline in paper and allied products.

Shipments

Shipments for durable goods in August increased $1.6 billion or 1.3 percent to $124.6 billion. This is the fifth consecutive monthly increase following five monthly declines and is at the highest level since the October 1990 level of $127.7 billion. With the exception of stone, clay, and glass, and electronic and other electrical equipment, all durable goods major industry groups were up in August. The largest increases occurred in transportation equipment, up $0.6 billion or 1.9 percent to $33.3 billion, fabricated metal products, up $0.5 billion or 3.5 percent to $15.4 billion, and instruments and related products, up $0.4 billion or 4.2 percent to $10.3 billion.

Shipments of nondurable goods increased $0.2 billion or 0.2 percent to $117.4 billion. The largest increase occurred in food and kindred products, up $0.3 billion or 0.8 percent to $33.2 billion.

Unfilled Orders

Unfilled orders for durable goods in August increased $1.1 billion or 0.2 percent to $501.9 billion. This is the second consecutive monthly increase following four monthly declines and is at the highest level since the March 1991 level of $504.3 billion. The largest increases occurred in transportation equipment, up $1.2 billion or 0.4 percent to $280.0 billion, and primary metals, up $0.7 billion or 3.3 percent to $21.8 billion. Transportation equipment has increased the past two months following three monthly declines, while primary metals has posted its third consecutive monthly increase following seven monthly declines. The largest decrease occurred in electronic and other electrical equipment, down $1.0 billion or 2.0 percent to $47.4 billion.

Unfilled orders for nondurable goods in August increased 0.2 billion or 0.9 percent to $21.2 billion.

Inventories

Inventories for durable goods in August were down $1.2 billion or 0.5 percent to $243.3 billion, with all major groups except stone, clay, and glass declining. Durable goods are at their lowest level since the December 1988 level of $241.4 billion. Nondurable goods inventories remained virtually unchanged at $133.5 billion.

By stage of fabrication, finished goods inventories increased 0.3 percent in durables and 0.2 percent in nondurables. Work in process was down 1.0 percent in durables and up 0.4 percent in nondurables. Materials and supplies decreased 0.2 percent in durables and 0.4 percent in nondurables.

The advance report on durable goods for September is scheduled for October 24, 1991 at 8:30 a.m. and the full report on October 31, 1991 at 10:00 a.m. Address inquiries concerning these figures to U.S. Department of Commerce, Bureau of the Census, Industry Division, Washington, DC 20233 or call Steve Andrews or Kathleen Menth, (301) 763-2502 or (301) 763-2575.
For sale by the Superintendent of Documents, U.S. Government Printing Office, Washington, DC 20402. This report is also available the day of issue through the Department of Commerce's online Economic Bulletin Board (N-8-1) (202-377-3870) and through the Census Bureau's online information service-CENDATA. CENDATA is available from Dialog Information Services, INC. (1-800-334-2464) and CompuServe (1-800-848-8199). The CENDATA staff at the Bureau of the Census (301-763-2074) can provide content information and general guidance.

Table 1. VALUE OF MANUFACTURERS' SHIPMENTS FOR INDUSTRY GROUPS
(Millions of dollars)

Industry	Seasonally adjusted						Not seasonally adjusted[1]						
	Monthly			Percent Change			Monthly				Percent change	Year to date	
	Aug. 1991[p]	July 1991[r]	June 1991	July-Aug.	June-July	May-June	Aug. 1991[p]	July 1991[r]	June 1991	Aug. 1990	Aug. 91/90	1991[p]	1990
All manufacturing industries	242,005	240,193	239,118	+0.8	+0.4	+0.3	241,921	218,827	254,733	248,339	-2.6	1,875,715	1,917,377
Manufacturing industries with unfilled orders	133,503	131,846	131,512	+1.3	+0.3	+1.1	132,324	117,506	141,201	135,172	-2.1	1,027,160	1,062,796
Durable goods industries	124,579	122,994	122,240	+1.3	+0.6	+1.0	122,251	107,332	133,092	125,921	-2.9	950,249	998,310
With unfilled orders	104,729	103,102	103,273	+1.6	-0.2	+1.4	102,841	90,697	112,281	104,965	-2.0	802,268	830,715
Stone, clay, and glass products	4,869	5,006	4,762	-2.7	+5.1	+3.1	5,151	4,765	5,209	5,545	-7.1	37,363	42,605
Primary metals	10,742	10,611	10,418	+1.2	+1.9	-1.4	10,839	9,836	10,949	12,295	-11.8	85,349	97,008
Blast furnaces, steel mills	4,415	4,296	4,212	+2.8	+2.0	-0.2	4,384	3,970	4,463	4,942	-11.3	34,437	39,832
Iron and steel foundries	841	869	865	-3.2	+0.5	+0.2	870	768	940	1,030	-15.5	6,891	7,759
Nonferrous and other primary metals	5,486	5,446	5,341	+0.7	+2.0	-2.6	5,585	5,098	5,546	6,323	-11.7	44,021	49,417
Fabricated metal products	15,411	14,895	15,003	+3.5	-0.7	+2.0	15,411	13,541	16,144	15,665	-1.6	119,092	125,706
Industrial machinery and equipment	20,522	20,511	21,142	+0.1	-3.0	+2.0	19,134	17,876	24,383	20,532	-6.8	163,740	172,712
Engines and turbines	1,452	1,551	1,781	-6.4	-12.9	+17.7	1,341	1,172	1,935	1,272	+5.4	11,058	10,295
Farm and garden machinery	1,079	1,272	1,366	-15.2	-6.9	+9.2	900	947	1,436	1,186	-24.1	10,397	11,785
Construction, mining and material handling equipment	2,843	2,373	2,807	+19.8	-15.5	+0.4	2,667	2,363	2,983	2,622	+1.7	22,300	22,070
Metalworking machinery	1,819	1,721	1,803	+5.7	-4.5	+1.8	1,706	1,513	2,006	1,869	-8.7	13,618	16,065
Computer and office equipment	5,797	5,846	5,826	-0.8	+0.3	+1.0	5,200	4,446	7,711	5,269	-1.3	43,506	44,227
Electronic and other electrical equipment	17,073	17,166	17,082	-0.5	+0.5	-0.8	17,001	15,251	18,360	16,695	+1.8	132,475	131,085
Electrical transmission and distribution equipment and industrial apparatus	2,299	2,269	2,416	+1.3	-6.1	+5.0	2,225	1,992	2,614	2,296	-3.1	18,309	19,041
Household appliances	1,571	1,522	1,585	+3.2	-4.0	+0.8	1,585	1,467	1,798	1,473	+7.6	12,386	12,497
Electric lighting and wiring equipment	1,281	1,301	1,267	-1.5	+2.7	-4.2	1,308	1,130	1,332	1,334	-1.9	10,088	10,037
Household audio and video equipment	903	911	728	-0.9	+25.1	-15.1	952	726	805	774	+23.0	6,040	5,462
Communications equipment	4,066	4,184	4,026	-2.8	+3.9	-3.9	3,992	3,564	4,422	3,896	+2.5	31,649	30,460
Electronic components	5,337	5,389	5,270	-1.0	+2.3	-2.2	5,342	4,995	5,530	5,260	+1.6	41,861	41,152
Transportation equipment	33,322	32,692	31,823	+1.9	+2.7	+1.6	31,851	25,671	34,310	32,458	-1.9	240,427	251,279
Motor vehicles and parts	20,070	19,979	18,561	+0.5	+7.6	+0.2	19,285	14,233	19,809	20,110	-4.1	141,120	155,175
Aircraft, missiles, space vehicles, and parts	11,409	10,882	11,389	+4.8	-4.5	+5.2	10,712	9,733	12,566	10,411	+2.9	84,399	80,45[illegible]
Shipbuilding and tanks	974	1,000	992	-2.6	+0.8	-8.0	981	938	1,018	978	+0.3	7,875	7,46[illegible]
Instruments and related products	10,347	9,933	9,962	+4.2	-0.3	-0.5	10,029	9,067	10,774	9,703	+3.4	77,780	78,238
Search and navigation equipment	3,279	2,807	2,957	+16.8	-5.1	-0.5	3,178	2,414	3,179	2,937	+8.2	22,411	23,478
Measuring and controlling devices	2,307	2,316	2,338	-0.4	-0.9	+2.4	2,312	2,137	2,488	2,344	-1.4	18,307	19,358
Medical instruments and supplies	2,468	2,561	2,444	-3.6	+4.8	-2.0	2,441	2,432	2,578	2,348	+4.0	19,707	18,37[illegible]
Photographic goods	1,969	1,921	1,914	+2.5	+0.4	-2.9	1,794	1,772	2,204	1,788	+0.3	15,037	14,88[illegible]
All other durable goods	12,293	12,180	12,048	+0.9	+1.1	+1.7	12,835	11,325	12,963	13,028	-1.5	94,023	99,67[illegible]
Nondurable goods industries	117,426	117,199	116,878	+0.2	+0.3	-0.3	119,670	111,495	121,641	122,418	-2.2	925,466	919,06[illegible]
With unfilled orders	28,774	28,744	28,239	+0.1	+1.8	+0.2	29,483	26,809	28,920	30,207	-2.4	224,892	232,08[illegible]
Food and kindred products	33,239	32,981	33,265	+0.8	-0.9	-0.2	33,310	31,765	34,635	33,411	-0.3	262,029	260,66[illegible]
Meat products	7,814	7,855	8,049	-0.5	-2.4	+0.6	8,017	7,722	8,333	8,439	-5.0	63,767	63,84[illegible]
Dairy products	4,517	4,468	4,482	+1.1	-0.3	-0.9	4,585	4,495	4,721	4,731	-3.1	35,682	37,39[illegible]
Beverages	4,522	4,519	4,562	+0.1	-0.9	-1.1	4,825	4,848	5,224	4,655	+3.7	36,385	35,65[illegible]
All other foods, except fats and oils	14,802	14,818	14,754	-0.1	+0.4	+0.1	14,299	13,379	14,939	14,150	+1.1	114,709	112,07[illegible]
Tobacco products	2,543	2,556	2,560	-0.5	-0.2	-0.3	2,454	1,792	3,130	2,468	-0.6	18,417	17,49[illegible]
Textile mill products	5,588	5,546	5,437	+0.8	+2.0	+3.9	5,892	4,773	5,938	5,494	+7.2	41,130	42,47[illegible]
Broadwoven fabrics and other textiles	3,418	3,380	3,249	+1.1	+4.0	+3.4	3,568	2,824	3,495	3,340	+6.8	24,774	25,70[illegible]
Paper and allied products	10,257	10,251	10,284	+0.1	-0.3	+3.3	10,404	9,964	10,738	10,982	-5.3	81,495	86,25[illegible]
Pulp, paper, and paperboard mill products	4,324	4,357	4,430	-0.8	-1.6	+4.2	4,350	4,258	4,511	4,777	-8.9	34,974	37,44[illegible]
Paperboard containers and boxes	2,318	2,326	2,265	-0.3	+2.7	+1.3	2,388	2,222	2,357	2,511	-4.9	18,233	19,56[illegible]
Miscellaneous converted paper products	3,615	3,568	3,589	+1.3	-0.6	+3.6	3,666	3,484	3,870	3,694	-0.8	28,288	29,24[illegible]
Chemicals and allied products	23,997	24,062	23,895	-0.3	+0.7	-2.6	24,000	22,566	24,992	24,493	-2.0	193,195	188,90[illegible]
Industrial chemicals	12,775	12,765	12,436	+0.1	+2.6	-1.4	12,686	12,116	12,864	13,403	-5.3	102,777	103,07[illegible]
Drugs, soaps, and toiletries	8,641	8,586	8,652	+0.6	-0.8	-5.4	8,874	7,925	9,067	8,517	+4.2	67,899	63,51[illegible]
Petroleum and coal products	13,748	13,714	14,151	+0.2	-3.1	-1.3	14,381	13,672	14,136	16,683	-13.8	111,084	106,72[illegible]
Rubber and plastics products	7,910	7,927	7,626	-0.2	+3.9	+1.9	7,996	7,559	8,298	7,867	+1.6	61,391	61,37[illegible]
All other nondurable goods	20,144	20,162	19,660	-0.1	+2.6	-0.9	21,233	19,404	19,774	21,020	+1.0	156,725	155,18[illegible]

[p] Preliminary. [r] Revised.

[1] Shipments and new orders are the totals for the period and are adjusted for trading-day and calendar-month variations.

Table 2. VALUE OF MANUFACTURERS' NEW ORDERS FOR INDUSTRY GROUPS
(Millions of dollars)

Industry	Seasonally adjusted						Not seasonally adjusted[1]						
	Monthly			Percent Change			Monthly				Percent change	Year to date	
	Aug. 1991[p]	July 1991[r]	June 1991	July-Aug.	June-July	May-June	Aug. 1991[p]	July 1991[r]	June 1991	Aug. 1990	Aug. 91/90	1991[p]	1990
All manufacturing industries	243,333	248,090	233,725	-1.9	+6.1	-1.2	240,722	226,615	246,990	244,225	-1.4	1,872,807	1,924,774
nufacturing industries with filled orders	134,831	139,743	126,119	-3.5	+10.8	-1.7	131,125	125,294	133,458	131,058	+0.1	1,024,252	1,070,193
rable goods industries	125,709	130,827	117,128	-3.9	+11.7	-1.1	120,635	114,829	125,745	121,242	-0.5	945,468	1,004,665
Vith unfilled orders	105,859	110,935	98,161	-4.6	+13.0	-1.1	101,225	98,194	104,934	100,286	+0.9	797,487	837,070
one, clay, and glass products	4,907	5,310	4,959	-7.6	+7.1	+3.6	5,275	5,079	5,395	5,711	-7.6	38,683	42,757
mary metals	11,432	11,496	10,782	-0.6	+6.6	+3.9	10,860	10,604	10,787	11,484	-5.4	84,324	97,775
Blast furnaces, steel mills	5,039	5,088	4,476	-1.0	+13.7	+6.0	4,777	4,775	4,325	4,804	-0.6	34,590	40,513
Iron and steel foundries	870	893	877	-2.6	+1.8	+10.5	902	799	939	1,165	-22.6	6,723	8,322
Nonferrous and other primary metals	5,523	5,515	5,429	+0.1	+1.6	+1.3	5,181	5,030	5,523	5,515	-6.1	43,011	48,940
bricated metal products	15,419	14,875	14,592	+3.7	+1.9	-0.8	15,327	13,735	15,618	15,203	+0.8	118,893	125,482
Iustrial machinery and equipment	20,276	20,522	20,137	-1.2	+1.9	-3.9	18,989	17,937	23,009	19,599	-3.1	161,149	172,350
Engines and turbines	1,408	1,930	1,356	-27.0	+42.3	-15.1	1,431	1,741	1,484	1,332	+7.4	11,390	11,278
Construction, mining and material handling equipment	2,788	2,232	2,373	+24.9	-5.9	-14.7	2,547	2,235	2,492	2,328	+9.4	20,889	21,865
Metalworking machinery	1,846	1,850	1,740	-0.2	+6.3	+7.7	1,733	1,642	1,943	1,840	-5.8	13,434	15,466
Computer and office equipment	5,824	5,769	5,919	+1.0	-2.5	-2.4	5,221	4,495	7,600	4,818	+8.4	44,264	44,481
ectronic and other lectrical equipment	16,094	17,523	15,371	-8.2	+14.0	-9.1	16,035	15,622	16,583	16,892	-5.1	131,437	132,620
Electrical transmission and distribution equipment and industrial apparatus	2,236	2,505	2,246	-10.7	+11.5	+0.4	2,194	2,257	2,366	2,404	-8.7	18,463	19,071
Electric lighting and wiring equipment	1,216	1,532	1,266	-20.6	+21.0	-7.0	1,243	1,361	1,331	1,256	-1.0	10,354	10,160
Communications equipment	3,444	4,022	3,781	-14.4	+6.4	+1.1	3,403	3,355	4,235	3,833	-11.2	29,245	30,774
Electronic components	5,172	5,373	4,258	-3.7	+26.2	-21.4	5,051	4,887	4,494	5,318	-5.0	42,168	41,474
ansportation equipment	34,540	37,882	29,814	-8.8	+27.1	+3.6	31,779	30,334	31,411	30,867	+3.0	240,751	257,804
Aircraft, missiles, space vehicles, and parts	11,835	16,595	9,890	-28.7	+67.8	+30.2	9,909	14,690	10,160	8,263	+19.9	84,813	87,489
Shipbuilding and tanks	1,612	481	550	+235.1	-12.5	-71.7	1,662	547	661	1,822	-8.8	8,475	7,791
struments and related products	10,733	10,808	9,563	-0.7	+13.0	-5.0	9,670	9,692	10,366	8,597	+12.5	75,329	74,843
Search and navigation equipment	3,803	3,531	2,745	+7.7	+28.6	-8.1	3,025	2,884	2,908	1,983	+52.5	20,301	20,159
Measuring and controlling devices	2,206	2,269	2,372	-2.8	-4.3	+4.1	2,211	2,090	2,522	2,294	-3.6	18,297	19,199
Medical instruments and supplies	2,480	2,698	2,198	-8.1	+22.7	-12.6	2,453	2,569	2,332	2,266	+8.3	19,330	18,522
l other durable goods	12,308	12,411	11,910	-0.8	+4.2	+0.4	12,700	11,826	12,576	12,889	-1.5	94,902	101,034
ondurable goods industries	117,624	117,263	116,597	+0.3	+0.6	-1.3	120,087	111,786	121,245	122,983	-2.4	927,339	920,109
With unfilled orders	28,972	28,808	27,958	+0.6	+3.0	-3.7	29,900	27,100	28,524	30,772	-2.8	226,765	233,123

[p] Preliminary. [r] Revised.

[1] Shipments and new orders are the totals for the period and are adjusted for trading-day and calendar-month variations.

Table 3. VALUE OF MANUFACTURERS' UNFILLED ORDERS FOR INDUSTRY GROUPS
(Millions of dollars)

Industry	Seasonally adjusted						Not seasonally adjusted				
	Monthly			Percent Change			Monthly				Percent change
	Aug. 1991[p]	July 1991[r]	June 1991	July-Aug.	June-July	May-June	Aug. 1991[p]	July 1991[r]	June 1991	Aug. 1990	Aug. 91/90
All manufacturing industries	523,168	521,840	513,943	+0.3	+1.5	-1.0	521,164	522,363	514,575	525,219	-0.8
Durable goods industries	501,939	500,809	492,976	+0.2	+1.6	-1.0	499,350	500,966	493,469	503,635	-0.9
Stone, clay, and glass products	6,274	6,236	5,932	+0.6	+5.1	+3.4	6,404	6,280	5,966	5,316	+20.5
Primary metals	21,760	21,070	20,185	+3.3	+4.4	+1.8	21,334	21,313	20,545	23,923	-10.8
Blast furnaces, steel mills	8,659	8,035	7,243	+7.8	+10.9	+3.8	8,417	8,024	7,219	9,665	-12.9
Iron and steel foundries	2,839	2,810	2,786	+1.0	+0.9	+0.4	2,850	2,818	2,787	3,158	-9.8
Nonferrous and other primary metals	10,262	10,225	10,156	+0.4	+0.7	+0.9	10,067	10,471	10,539	11,100	-9.3
Fabricated metal products	26,947	26,939	26,959	0.0	-0.1	-1.5	27,061	27,145	26,951	28,102	-3.7
Industrial machinery and equipment	54,331	54,577	54,566	-0.5	0.0	-1.8	54,334	54,479	54,418	58,693	-7.4
Engines and turbines	8,216	8,260	7,881	-0.5	+4.8	-5.1	8,230	8,140	7,571	7,678	+7.2
Construction, mining and material handling equipment	6,754	6,809	6,950	-0.8	-2.0	-5.9	6,680	6,800	6,928	8,343	-19.9
Metalworking machinery	6,870	6,843	6,714	+0.4	+1.9	-0.9	6,870	6,843	6,714	7,105	-3.3
Computer and office equipment	12,328	12,301	12,378	+0.2	-0.6	+0.8	12,476	12,455	12,406	12,478	0.0
Electronic and other electrical equipment	47,431	48,410	48,053	-2.0	+0.7	-3.4	47,605	48,571	48,200	49,347	-3.5
Electrical transmission and distribution equipment and industrial apparatus	6,713	6,776	6,540	-0.9	+3.6	-2.5	6,734	6,765	6,500	6,558	+2.7
Electric lighting and wiring equipment	2,333	2,398	2,167	-2.7	+10.7	0.0	2,333	2,398	2,167	2,110	+10.6
Communications equipment	20,055	20,677	20,839	-3.0	-0.8	-1.2	19,999	20,588	20,797	21,649	-7.6
Electronic components	13,928	14,093	14,109	-1.2	-0.1	-6.7	14,012	14,303	14,411	14,566	-3.8
Transportation equipment	280,029	278,811	273,621	+0.4	+1.9	-0.7	277,832	277,904	273,241	267,753	+3.8
Aircraft, missiles, space vehicles, and parts	244,421	243,995	238,282	+0.2	+2.4	-0.6	242,072	242,875	237,918	230,663	+4.9
Shipbuilding and tanks	27,135	26,497	27,016	+2.4	-1.9	-1.6	27,372	26,691	27,082	27,456	-0.2
Instruments and related products	58,409	58,023	57,148	+0.7	+1.5	-0.7	57,594	57,953	57,328	62,656	-8.1
Search and navigation equipment	41,555	41,031	40,307	+1.3	+1.8	-0.5	40,748	40,901	40,431	45,293	-10.0
Measuring and controlling devices	8,126	8,227	8,274	-1.2	-0.6	+0.4	8,126	8,227	8,274	8,255	-1.6
Medical instruments and supplies	7,684	7,672	7,535	+0.2	+1.8	-3.2	7,684	7,672	7,535	8,079	-4.9
All other durable goods	6,758	6,743	6,512	+0.2	+3.5	-2.1	7,186	7,321	6,820	7,845	-8.4
Nondurable goods industries	21,229	21,031	20,967	+0.9	+0.3	-1.3	21,814	21,397	21,106	21,584	+1.

[p] Preliminary. [r] Revised.

Table 4. VALUE OF MANUFACTURERS' INVENTORIES FOR INDUSTRY GROUPS
(Millions of dollars)

Industry	Seasonally adjusted						Not seasonally adjusted				
	Monthly			Percent Change			Monthly				Percent change
	Aug. 1991[p]	July 1991[r]	June 1991	July-Aug.	June-July	May-June	Aug. 1991[p]	July 1991[r]	June 1991	Aug. 1990	Aug. 91/90
All manufacturing industries	376,797	378,002	379,968	-0.3	-0.5	-0.5	378,610	378,863	378,904	389,637	-2.8
lanufacturing industries with unfilled orders	258,110	259,639	260,850	-0.6	-0.5	-0.6	260,251	261,608	261,573	271,431	-4.1
urable goods industries	243,283	244,467	245,642	-0.5	-0.5	-0.5	244,668	245,338	245,429	255,977	-4.4
With unfilled orders	225,304	226,529	227,553	-0.5	-0.5	-0.5	226,879	227,784	227,773	236,988	-4.3
tone, clay, and glass products	8,023	7,968	8,019	+0.7	-0.6	0.0	7,953	8,027	8,074	7,771	+2.3
rimary metals	22,065	22,217	22,509	-0.7	-1.3	-0.6	22,072	22,235	22,411	23,257	-5.1
Blast furnaces, steel mills	10,777	10,851	10,943	-0.7	-0.8	-0.7	10,809	10,863	10,777	11,192	-3.4
Iron and steel foundries	1,449	1,453	1,458	-0.3	-0.3	+1.3	1,424	1,419	1,468	1,406	+1.3
Nonferrous and other primary metals	9,839	9,913	10,108	-0.7	-1.9	-0.7	9,839	9,953	10,166	10,659	-7.7
abricated metal products	23,109	23,163	23,433	-0.2	-1.2	-0.9	22,987	23,075	23,562	24,648	-6.7
dustrial machinery and equipment	46,736	46,985	46,922	-0.5	+0.1	-1.8	47,060	47,041	46,770	48,548	-3.1
Engines and turbines	3,682	3,683	3,700	0.0	-0.5	-2.7	3,859	3,810	3,739	3,670	+5.1
Farm and garden machinery	2,331	2,323	2,361	+0.3	-1.6	-3.4	2,263	2,226	2,318	2,503	-9.6
Construction, mining and material handling equipment	6,778	6,854	6,879	-1.1	-0.4	-0.5	6,731	6,772	6,893	6,531	+3.1
Metalworking machinery	4,932	4,931	4,951	0.0	-0.4	-1.0	5,011	4,953	4,913	5,112	-2.0
Computer and office equipment	10,472	10,621	10,350	-1.4	+2.6	-4.1	10,734	10,765	10,199	12,103	-11.3
lectronic and other electrical equipment	29,131	29,377	29,333	-0.8	+0.2	-0.6	29,322	29,589	29,617	31,059	-5.6
Electrical transmission and distribution equipment and industrial apparatus	4,223	4,238	4,331	-0.4	-2.1	+0.8	4,205	4,221	4,331	4,597	-8.5
Household appliances	2,228	2,276	2,292	-2.1	-0.7	-0.6	2,172	2,270	2,369	2,678	-18.9
Electric lighting and wiring equipment	3,258	3,270	3,297	-0.4	-0.8	-0.6	3,274	3,328	3,409	3,416	-4.2
Household audio and video equipment	1,042	1,002	1,003	+4.0	-0.1	+3.9	1,109	1,061	1,049	1,286	-13.8
Communications equipment	5,564	5,728	5,640	-2.9	+1.6	-2.9	5,644	5,744	5,638	5,959	-5.3
Electronic components	9,130	9,220	9,172	-1.0	+0.5	-0.3	9,221	9,306	9,189	9,323	-1.1
ransportation equipment	71,217	71,612	72,071	-0.6	-0.6	-0.1	71,846	71,933	71,624	74,176	-3.1
Motor vehicles and parts	12,533	12,488	12,479	+0.4	+0.1	+0.3	12,609	12,080	11,956	12,440	+1.4
Aircraft, missiles, space vehicles, and parts.	54,754	55,147	55,607	-0.7	-0.8	-0.1	55,240	55,775	55,655	57,002	-3.1
Shipbuilding and tanks	1,986	2,034	2,042	-2.4	-0.4	+3.1	2,020	2,103	2,040	2,494	-19.0
struments and related products	23,615	23,638	23,717	-0.1	-0.3	+0.6	23,907	23,843	23,790	25,291	-5.5
Search and navigation equipment	8,721	8,700	8,734	+0.2	-0.4	+0.3	8,901	8,853	8,766	9,878	-9.9
Measuring and controlling devices	6,160	6,168	6,235	-0.1	-1.1	-0.3	6,209	6,166	6,210	6,600	-5.9
Medical instruments and supplies	5,432	5,430	5,362	0.0	+1.3	+1.6	5,427	5,440	5,409	5,290	+2.6
Photographic goods	2,714	2,747	2,768	-1.2	-0.8	+2.7	2,776	2,780	2,772	2,860	-2.9
ll other durable goods	19,387	19,507	19,638	-0.6	-0.7	-0.3	19,521	19,595	19,581	21,227	-8.0
ondurable goods industries	133,514	133,535	134,326	0.0	-0.6	-0.4	133,942	133,525	133,475	133,660	+0.2
With unfilled orders	32,806	33,110	33,297	-0.9	-0.6	-0.8	33,372	33,824	33,800	34,443	-3.1
ood and kindred products	27,907	27,864	28,169	+0.2	-1.1	+0.1	28,126	27,071	26,723	27,924	+0.7
Meat products	3,018	2,988	2,970	+1.0	+0.6	-0.7	2,940	2,968	2,980	2,905	+1.2
Dairy products	2,389	2,342	2,385	+2.0	-1.8	-0.6	2,444	2,431	2,416	2,688	-9.1
Beverages	4,719	4,742	4,799	-0.5	-1.2	+2.7	4,606	4,669	4,746	4,603	+0.1
All other foods, except fats and oils	16,243	16,199	16,435	+0.3	-1.4	-0.8	16,812	15,574	15,110	16,411	+2.4
obacco products	5,967	5,987	5,803	-0.3	+3.2	+0.3	5,722	5,607	5,447	5,160	+10.9
extile mill products	8,562	8,561	8,546	0.0	+0.2	-0.5	8,670	8,767	8,655	9,116	-4.9
Broadwoven fabrics and other textiles	5,018	5,035	5,027	-0.3	+0.2	-1.1	5,043	5,115	5,068	5,249	-3.9
per and allied products	13,057	13,247	13,332	-1.4	-0.6	-1.8	12,995	13,319	13,463	13,138	-1.1
Pulp, paper, and paperboard mill products	5,511	5,537	5,560	-0.5	-0.4	-1.5	5,456	5,521	5,552	5,270	+3.5
Paperboard containers and boxes	3,099	3,119	3,165	-0.6	-1.5	+0.3	3,105	3,150	3,163	3,208	-3.2
Miscellaneous converted paper products	4,447	4,591	4,607	-3.1	-0.3	-3.6	4,434	4,648	4,748	4,660	-4.8
emicals and allied products	32,482	32,228	32,417	+0.8	-0.6	-0.8	32,321	32,354	32,335	31,109	+3.9
Industrial chemicals	16,346	16,319	16,637	+0.2	-1.9	-0.5	16,232	16,429	16,588	15,892	+2.1
Drugs, soaps, and toiletries	11,393	11,232	11,177	+1.4	+0.5	-0.6	11,575	11,434	11,335	10,820	+7.0
troleum and coal products	11,627	11,613	11,774	+0.1	-1.4	+0.1	11,582	11,559	11,800	11,669	-0.7
bber and plastics products	11,345	11,405	11,537	-0.5	-1.1	-1.0	11,232	11,355	11,482	11,267	-0.3
l other nondurable goods	22,567	22,630	22,748	-0.3	-0.5	+0.1	23,294	23,493	23,570	24,277	-4.0

[p] Preliminary. [r] Revised.

Table 5. VALUE OF MANUFACTURERS' SHIPMENTS AND NEW ORDERS FOR TOPICAL SERIES[1]
(Millions of dollars)

Industry	Seasonally adjusted						Not seasonally adjusted [2]						
	Monthly			Percent Change			Monthly				Percent change	Year to date	
	Aug. 1991[p]	July 1991[r]	June 1991	July-Aug.	June-July	May-June	Aug. 1991[p]	July 1991[r]	June 1991	Aug. 1990	Aug. 91/90	1991[p]	1990
SHIPMENTS													
All manufacturing industries	242,005	240,193	239,118	+0.8	+0.4	+0.3	241,921	218,827	254,733	248,339	-2.6	1,875,715	1,917,377
Market categories :													
Automotive equipment	8,878	8,781	8,145	+1.1	+7.8	-1.1	8,461	6,455	8,749	9,030	-6.3	62,683	71,097
Home goods and apparel	15,078	15,069	14,639	+0.1	+2.9	+1.8	16,211	14,172	15,478	15,208	+6.6	113,796	111,943
Consumer staples	55,827	55,635	56,143	+0.3	-0.9	-1.0	56,387	52,770	58,498	57,800	-2.4	440,487	431,668
Machinery and equipment	39,194	39,033	39,416	+0.4	-1.0	+0.6	37,003	33,993	44,084	38,075	-2.8	302,899	308,777
Business supplies	19,414	19,350	19,115	+0.3	+1.2	-1.7	19,527	17,981	19,456	20,310	-3.9	153,613	154,025
Construction materials and supplies	13,696	13,743	13,503	-0.3	+1.8	+1.5	14,397	13,276	14,826	14,934	-3.6	105,900	115,675
Defense products	9,181	8,337	8,587	+10.1	-2.9	+2.4	9,069	7,423	9,179	8,864	+2.3	66,411	69,061
Other materials, supplies and and intermediate products	80,737	80,245	79,570	+0.6	+0.8	+1.2	80,866	72,757	84,463	84,118	-3.9	629,926	655,131
Durable goods industries :													
Nondefense capital goods [3]	32,223	31,732	32,848	+1.5	-3.4	+2.2	30,355	28,140	37,276	30,526	-0.6	250,124	248,974
Excluding aircraft and parts	25,706	25,535	26,181	+0.7	-2.5	+1.0	24,462	22,498	29,922	25,087	-2.5	201,975	207,264
Defense capital goods [4]	9,098	8,246	8,550	+10.3	-3.6	+1.6	8,914	7,215	9,203	8,765	+1.7	65,469	68,296
Durables excluding capital goods	83,258	83,016	80,842	+0.3	+2.7	+0.4	82,982	71,977	86,613	86,630	-4.2	634,656	681,040
Miscellaneous series :													
Producers' durable equipment	79,164	78,653	77,830	+0.6	+1.1	+0.9	76,289	66,207	85,204	78,113	-2.3	601,301	625,583
Household durable goods	6,755	6,678	6,383	+1.2	+4.6	-1.0	6,914	5,705	6,756	6,585	+5.0	50,398	50,361
Information technology industries	14,326	14,452	14,323	-0.9	+0.9	-0.5	13,511	12,101	17,090	13,452	+0.4	110,161	110,565
Health care equipment and products	7,154	7,221	7,133	-0.9	+1.2	-4.2	7,254	6,731	7,494	6,970	+4.1	56,518	52,869
NEW ORDERS													
All manufacturing industries	243,333	248,090	233,725	-1.9	+6.1	-1.2	240,722	226,615	246,990	244,225	-1.4	1,872,807	1,924,77[illegible]
Market categories :													
Automotive equipment	8,928	8,785	8,103	+1.6	+8.4	-1.9	8,495	6,491	8,692	9,013	-5.7	62,743	71,06[illegible]
Home goods and apparel	15,302	15,036	14,645	+1.8	+2.7	+0.8	16,378	14,338	15,301	15,334	+6.8	115,593	113,77[illegible]
Consumer staples	55,810	55,692	56,249	+0.2	-1.0	-0.8	56,412	52,834	58,617	57,851	-2.5	440,547	431,56[illegible]
Machinery and equipment	37,428	42,265	35,301	-11.4	+19.7	+0.1	35,286	37,346	39,572	36,937	-4.5	297,607	320,49[illegible]
Business supplies	19,388	19,353	19,068	+0.2	+1.5	-2.6	19,623	18,071	19,377	20,561	-4.6	153,716	154,52[illegible]
Construction materials and supplies	13,693	14,325	13,633	-4.4	+5.1	+1.7	14,306	13,857	14,852	14,871	-3.8	106,818	115,67[illegible]
Defense products	11,013	9,391	8,274	+17.3	+13.5	-12.1	9,015	7,591	7,954	6,358	+41.8	61,729	59,24[illegible]
Other materials, supplies and and intermediate products	81,771	83,243	78,452	-1.8	+6.1	-1.2	81,207	76,087	82,625	83,300	-2.5	634,054	658,44[illegible]
Durable goods industries :													
Nondefense capital goods [3]	30,845	36,689	29,282	-15.9	+25.3	+4.4	29,261	33,278	33,243	29,790	-1.8	248,046	262,21[illegible]
Excluding aircraft and parts	24,761	25,407	24,242	-2.5	+4.8	-4.6	23,801	22,551	27,516	24,211	-1.7	196,554	206,56[illegible]
Defense capital goods [4]	10,870	9,385	8,281	+15.8	+13.3	-13.1	8,695	7,415	8,026	6,102	+42.5	60,919	58,24[illegible]
Durables excluding capital goods	83,994	84,753	79,565	-0.9	+6.5	-1.6	82,679	74,136	84,476	85,350	-3.1	636,503	684,20[illegible]
Miscellaneous series :													
Producers' durable equipment	77,249	79,297	72,243	-2.6	+9.8	-2.5	74,316	67,803	78,752	76,444	-2.8	593,202	636,12[illegible]
Household durable goods	6,922	6,756	6,367	+2.5	+6.1	-3.0	7,039	5,938	6,681	6,439	+9.3	51,728	51,39[illegible]
Information technology industries	13,790	14,298	13,978	-3.6	+2.3	-2.7	13,013	11,991	16,563	12,821	+1.5	108,866	110,23[illegible]
Health care equipment and products	7,166	7,358	6,886	-2.6	+6.9	-7.7	7,264	6,870	7,247	6,888	+5.5	56,138	53,01[illegible]

[p] Preliminary. [r] Revised.

[1] Topical series are regroupings of the separate industry categories.

[2] Shipments and new orders are the totals for the period and are adjusted for trading-day and calendar-month variations.

[3] Nondefense capital goods industries include : ordnance and accessories; steam, gas and hydraulic turbines; internal combustion engines; construction, mining, and material handling equipmen metalworking machinery; special industry machinery; general industrial machinery; computer and office equipment; refrigeration, heating and service industry machinery; electrical transmission ar distribution equipment; electrical industrial apparatus; communications equipment; aircraft, missiles, space vehicles, and engines and parts; ships and tank components; railroad equipment; and searc and navigation equipment.

[4] Defense capital goods industries include : ordnance and accessories; communications equipment; aircraft, missiles, space vehicles, and engines and parts; ships, tanks and tank components; ar search and navigation equipment.

Table 6. VALUE OF MANUFACTURERS' UNFILLED ORDERS AND TOTAL INVENTORIES FOR TOPICAL SERIES[1]
(Millions of dollars)

Industry	Seasonally adjusted						Not seasonally adjusted				
	Monthly			Percent Change			Monthly				Percent change
	Aug. 1991[p]	July 1991[r]	June 1991	July-Aug.	June-July	May-June	Aug. 1991[p]	July 1991[r]	June 1991	Aug. 1990	Aug. 91/90
UNFILLED ORDERS											
All manufacturing industries	523,168	521,840	513,943	+0.3	+1.5	-1.0	521,164	522,363	514,575	525,219	-0.8
arket categories :											
Automotive equipment	1,902	1,852	1,849	+2.7	+0.2	-2.2	1,897	1,862	1,826	1,988	-4.6
Home goods and apparel	8,275	8,050	8,083	+2.8	-0.4	+0.1	8,792	8,625	8,458	8,597	+2.3
Consumer staples	1,354	1,371	1,315	-1.2	+4.3	+8.8	1,381	1,356	1,292	1,354	+2.0
Machinery and equipment	222,800	224,567	221,335	-0.8	+1.5	-1.8	223,036	224,754	221,400	217,334	+2.6
Business supplies	5,825	5,851	5,848	-0.4	+0.1	-0.8	5,982	5,886	5,795	6,366	-6.0
Construction materials and supplies	13,315	13,318	12,737	0.0	+4.6	+1.0	13,323	13,414	12,832	12,862	+3.6
Defense products	142,207	140,375	139,321	+1.3	+0.8	-0.2	138,998	139,052	138,884	146,603	-5.2
Other materials, supplies and and intermediate products	127,490	126,456	123,455	+0.8	+2.4	-0.9	127,755	127,414	124,088	130,115	-1.8
urable goods industries :											
Nondefense capital goods [3]	247,559	248,937	243,980	-0.6	+2.0	-1.4	247,766	248,860	243,722	239,371	+3.5
Excluding aircraft and parts	81,738	82,683	82,811	-1.1	-0.2	-2.3	81,945	82,606	82,553	88,961	-7.9
Defense capital goods [4]	151,438	149,666	148,527	+1.2	+0.8	-0.2	148,226	148,445	148,245	156,237	-5.1
Durables excluding capital goods	102,942	102,206	100,469	+0.7	+1.7	-1.3	103,358	103,661	101,502	108,027	-4.3
iscellaneous series :											
Producers' durable equipment	246,557	248,472	247,828	-0.8	+0.3	-2.2	247,341	249,314	247,718	246,973	+0.1
Household durable goods	5,025	4,858	4,780	+3.4	+1.6	-0.3	5,428	5,303	5,070	5,595	-3.0
Information technology industries	40,854	41,390	41,544	-1.3	-0.4	-0.8	40,983	41,481	41,591	42,785	-4.2
Health care equipment and products	7,710	7,699	7,562	+0.1	+1.8	-3.2	7,711	7,700	7,562	8,111	-4.9
TOTAL INVENTORIES											
All manufacturing industries	376,797	378,002	379,968	-0.3	-0.5	-0.5	378,610	378,863	378,904	389,637	-2.8
larket categories :											
Automotive equipment	6,257	6,209	6,228	+0.8	-0.3	-1.4	6,275	6,093	6,084	6,534	-4.0
Home goods and apparel	25,263	25,244	25,390	+0.1	-0.6	-0.1	25,619	25,942	26,239	27,962	-8.4
Consumer staples	54,490	54,359	54,578	+0.2	-0.4	-0.2	54,790	53,612	53,252	53,492	+2.4
Machinery and equipment	86,480	86,572	86,647	-0.1	-0.1	-0.8	86,933	86,858	86,498	87,515	-0.7
Business supplies	21,366	21,460	21,702	-0.4	-1.1	-1.0	21,712	21,754	21,837	22,538	-3.7
Construction materials and supplies	23,055	23,063	23,123	0.0	-0.3	+0.3	23,014	23,137	23,250	23,620	-2.6
Defense products	33,915	34,429	34,585	-1.5	-0.5	-0.2	34,334	34,879	34,694	38,633	-11.1
Other materials, supplies and and intermediate products	125,971	126,666	127,715	-0.5	-0.8	-0.6	125,933	126,588	127,050	129,343	-2.6
urable goods industries :											
Nondefense capital goods [3]	82,811	82,925	82,869	-0.1	+0.1	-1.0	83,402	83,463	82,822	84,091	-0.8
Excluding aircraft and parts	54,518	54,957	54,890	-0.8	+0.1	-1.6	55,050	55,238	54,904	58,123	-5.3
Defense capital goods [4]	35,956	36,704	37,106	-2.0	-1.1	0.0	36,489	37,186	37,214	41,264	-11.6
Durables excluding capital goods	124,516	124,838	125,667	-0.3	-0.7	-0.3	124,777	124,689	125,393	130,622	-4.5
liscellaneous series :											
Producers' durable equipment	138,564	138,846	139,370	-0.2	-0.4	-0.8	139,180	138,950	139,053	143,801	-3.2
Household durable goods	11,878	11,923	12,080	-0.4	-1.3	-0.4	12,028	12,164	12,344	13,536	-11.1
Information technology industries	26,715	27,107	26,859	-1.4	+0.9	-2.1	27,218	27,368	26,688	30,059	-9.5
Health care equipment and products	11,636	11,549	11,454	+0.8	+0.8	+0.5	11,727	11,666	11,582	11,187	+4.8

See footnotes at end of table 5.

Table 7. VALUE OF MANUFACTURERS' INVENTORIES, BY STAGE OF FABRICATION, BY INDUSTRY GROUP
(Millions of dollars)

Industry	Seasonally adjusted						Not seasonally adjusted				
	Monthly			Percent Change			Monthly				Percent change
	Aug. 1991[p]	July 1991[r]	June 1991	July-Aug.	June-July	May-June	Aug. 1991[p]	July 1991[r]	June 1991	Aug. 1990	Aug. 91/90
MATERIALS AND SUPPLIES											
All manufacturing industries	116,028	116,345	116,692	-0.3	-0.3	-0.9	116,167	116,112	115,588	119,251	-2.6
Durable goods industries	66,817	66,936	67,387	-0.2	-0.7	-1.5	67,440	66,994	66,790	70,689	-4.6
Stone, clay, and glass products	2,501	2,500	2,501	0.0	0.0	+1.7	2,504	2,526	2,499	2,534	-1.2
Primary metals	6,817	6,839	6,966	-0.3	-1.8	-1.9	6,921	6,791	6,841	7,451	-7.1
Fabricated metal products	7,971	7,969	8,011	0.0	-0.5	-1.0	8,033	8,003	8,007	8,876	-9.5
Industrial machinery and equipment	12,623	12,689	12,749	-0.5	-0.5	-2.3	12,742	12,717	12,632	13,168	-3.2
Electronic and other electrical equipment	8,903	8,843	8,940	+0.7	-1.1	-1.3	8,922	8,939	8,885	9,747	-8.5
Transportation equipment	14,075	14,301	14,296	-1.6	0.0	-2.3	14,265	14,199	14,196	14,352	-0.6
Instruments and related products	5,733	5,718	5,752	+0.3	-0.6	+0.6	5,820	5,781	5,780	5,893	-1.2
Lumber, furniture and miscellaneous durable goods	8,194	8,077	8,172	+1.4	-1.2	-1.8	8,233	8,038	7,950	8,668	-5.0
Nondurable goods industries	49,211	49,409	49,305	-0.4	+0.2	-0.1	48,727	49,118	48,798	48,562	+0.3
Food and kindred products	9,549	9,651	9,632	-1.1	+0.2	+1.1	9,198	9,354	9,289	9,068	+1.4
Tobacco products	4,486	4,461	4,356	+0.6	+2.4	+1.0	4,215	4,125	4,118	3,851	+9.5
Textile mill products	2,381	2,369	2,364	+0.5	+0.2	+0.1	2,403	2,446	2,399	2,474	-2.9
Paper and allied products	6,822	6,929	6,934	-1.5	-0.1	-1.8	6,786	6,943	6,964	6,890	-1.5
Chemicals and allied products	11,156	11,034	11,026	+1.1	+0.1	+0.4	11,152	11,103	11,027	10,699	+4.2
Petroleum and coal products	3,360	3,413	3,296	-1.6	+3.5	+0.6	3,319	3,362	3,338	3,343	-0.7
Rubber and plastics products	4,020	4,061	4,104	-1.0	-1.0	-1.3	3,986	4,049	4,023	4,170	-4.4
Apparel, printing and publishing and leather goods	7,437	7,491	7,593	-0.7	-1.3	-0.9	7,668	7,736	7,640	8,067	-4.9
WORK IN PROCESS											
All manufacturing industries	138,441	139,578	140,143	-0.8	-0.4	+0.4	139,563	140,608	139,791	145,761	-4.3
Durable goods industries	116,132	117,350	117,748	-1.0	-0.3	+0.4	117,114	118,220	117,655	122,972	-4.8
Stone, clay, and glass products	1,071	1,065	1,036	+0.6	+2.8	-2.8	1,059	1,069	1,052	1,002	+5.7
Primary metals	9,002	9,127	9,219	-1.4	-1.0	+0.2	9,004	9,181	9,183	9,356	-3.8
Fabricated metal products	8,036	8,115	8,055	-1.0	+0.7	+0.6	7,946	8,012	7,978	8,381	-5.2
Industrial machinery and equipment	21,198	21,482	21,522	-1.3	-0.2	-0.1	21,333	21,508	21,540	21,491	-0.7
Electronic and other electrical equipment	11,959	12,105	12,143	-1.2	-0.3	+0.1	12,105	12,248	12,251	12,488	-3.1
Transportation equipment	47,808	48,292	48,656	-1.0	-0.7	+0.5	48,355	48,914	48,464	51,474	-6.1
Instruments and related products	12,695	12,679	12,714	+0.1	-0.3	+0.5	12,899	12,795	12,765	14,053	-8.2
Lumber, furniture and miscellaneous durable goods	4,363	4,485	4,403	-2.7	+1.9	+2.7	4,413	4,493	4,422	4,727	-6.6
Nondurable goods industries	22,309	22,228	22,395	+0.4	-0.7	+0.8	22,449	22,388	22,136	22,789	-1.5
Food and kindred products	3,317	3,333	3,340	-0.5	-0.2	-1.3	3,165	3,234	3,204	3,137	+0.9
Tobacco products	179	162	148	+10.5	+9.5	+2.8	153	121	112	131	+16.8
Textile mill products	2,502	2,486	2,467	+0.6	+0.8	+0.9	2,510	2,529	2,468	2,594	-3.2
Paper and allied products	1,263	1,273	1,328	-0.8	-4.1	-1.6	1,287	1,315	1,356	1,397	-7.9
Chemicals and allied products	5,290	5,223	5,281	+1.3	-1.1	-0.2	5,362	5,292	5,229	5,096	+5.2
Petroleum and coal products	2,744	2,766	2,905	-0.8	-4.8	+4.1	2,780	2,778	2,901	2,933	-5.2
Rubber and plastics products	1,542	1,525	1,544	+1.1	-1.2	-0.4	1,563	1,510	1,492	1,598	-2.2
Apparel, printing and publishing and leather goods	5,472	5,460	5,382	+0.2	+1.4	+2.2	5,629	5,609	5,374	5,903	-4.6
FINISHED GOODS											
All manufacturing industries	122,328	122,079	123,133	+0.2	-0.9	-1.2	122,880	122,143	123,525	124,625	-1.4
Durable goods industries	60,334	60,181	60,507	+0.3	-0.5	-1.2	60,114	60,124	60,984	62,316	-3.5
Stone, clay, and glass products	4,451	4,403	4,482	+1.1	-1.8	-0.2	4,390	4,432	4,523	4,235	+3.7
Primary metals	6,246	6,251	6,324	-0.1	-1.2	-0.2	6,147	6,263	6,387	6,450	-4.7
Fabricated metal products	7,102	7,079	7,367	+0.3	-3.9	-2.4	7,008	7,060	7,577	7,391	-5.2
Industrial machinery and equipment	12,915	12,814	12,651	+0.8	+1.3	-4.0	12,985	12,816	12,598	13,889	-6.5
Electronic and other electrical equipment	8,269	8,429	8,250	-1.9	+2.2	-1.0	8,295	8,402	8,481	8,824	-6.0
Transportation equipment	9,334	9,019	9,119	+3.5	-1.1	+0.8	9,226	8,820	8,964	8,350	+10.5
Instruments and related products	5,187	5,241	5,251	-1.0	-0.2	+0.9	5,188	5,267	5,245	5,345	-2.9
Lumber, furniture and miscellaneous durable goods	6,830	6,945	7,063	-1.7	-1.7	-0.3	6,875	7,064	7,209	7,832	-12.2
Nondurable goods industries	61,994	61,898	62,626	+0.2	-1.2	-1.1	62,766	62,019	62,541	62,309	+0.7
Food and kindred products	15,041	14,880	15,197	+1.1	-2.1	-0.3	15,763	14,483	14,230	15,719	+0.3
Tobacco products	1,302	1,364	1,299	-4.5	+5.0	-2.3	1,354	1,361	1,217	1,178	+14.9
Textile mill products	3,679	3,706	3,715	-0.7	-0.2	-1.9	3,757	3,792	3,788	4,048	-7.2
Paper and allied products	4,972	5,045	5,070	-1.4	-0.5	-1.8	4,922	5,061	5,143	4,851	+1.5
Chemicals and allied products	16,036	15,971	16,110	+0.4	-0.9	-1.7	15,807	15,959	16,079	15,314	+3.2
Petroleum and coal products	5,523	5,434	5,573	+1.6	-2.5	-2.1	5,483	5,419	5,561	5,393	+1.7
Rubber and plastics products	5,783	5,819	5,889	-0.6	-1.2	-0.9	5,683	5,796	5,967	5,499	+3.3
Apparel, printing and publishing and leather goods	9,658	9,679	9,773	-0.2	-1.0	-0.3	9,997	10,148	10,556	10,307	-3.0

[p] Prelimary. [r] Revised.

Table 8. RATIOS OF MANUFACTURES' INVENTORIES TO SHIPMENTS AND UNFILLED ORDERS TO SHIPMENTS, BY INDUSTRY GROUP
(Based on seasonally adjusted data)

Industry	Inventory / Shipments ratio				Unfilled Orders / Shipments ratio[1]			
	Aug. 1991[p]	July 1991[r]	June 1991	May 1991	Aug. 1991[p]	July 1991[r]	June 1991	May 1991
All manufacturing industries	1.56	1.57	1.59	1.60	3.92	3.96	3.91	3.99
urable goods industries	1.95	1.99	2.01	2.04	4.79	4.86	4.77	4.89
Stone, clay, and glass products	1.65	1.59	1.68	1.74	1.43	1.37	1.38	1.38
Primary metals	2.05	2.09	2.16	2.14	2.03	1.99	1.94	1.88
Fabricated metal products	1.50	1.56	1.56	1.61	1.91	1.99	1.98	2.06
Industrial machinery and equipment	2.28	2.29	2.22	2.30	2.79	2.84	2.76	2.85
Electronic and other electrical equipment	1.71	1.71	1.72	1.71	2.78	2.82	2.81	2.89
Transportation equipment	2.14	2.19	2.26	2.30	12.50	12.76	12.37	13.02
Instruments and related products	2.28	2.38	2.38	2.35	5.65	5.84	5.74	5.75
ondurable goods industries	1.14	1.14	1.15	1.15	0.74	0.73	0.74	0.75
Food and kindred products	0.84	0.84	0.85	0.85	(X)	(X)	(X)	(X)
Tobacco products	2.35	2.34	2.27	2.25	(X)	(X)	(X)	(X)
Textile mill products	1.53	1.54	1.57	1.64	(NA)	(NA)	(NA)	(NA)
Paper and allied products	1.27	1.29	1.30	1.36	(NA)	(NA)	(NA)	(NA)
Chemicals and allied products	1.35	1.34	1.36	1.33	(X)	(X)	(X)	(X)
Petroleum and coal products	0.85	0.85	0.83	0.82	(X)	(X)	(X)	(X)
Rubber and plastics products	1.43	1.44	1.51	1.56	(X)	(X)	(X)	(X)

[p] Preliminary. [r] Revised. (X) Not applicable. (NA) Not available.

[1] Excludes the following industries with no unfilled orders : Wood and lumber products; glass containers; metal cans, barrels and drums; farm and garden machinery; motor vehicle assembly operations; other transportation equipment; foods and related products; tobacco; knitting mill products; apparel and related products; chemicals; petroleum and coal products; and rubber and plastics products.

Table 9. AVERAGE REVISIONS TO PREVIOUSLY PUBLISHED MONTHLY PERCENT CHANGES
(Based on seasonally adjusted data)

Industry	Shipments			New orders			Unfilled orders			Inventories		
	Aug. 1990	Aug.[1] 1986-1990	Aug. 1990-July 1991	Aug. 1990	Aug.[1] 1986-1990	Aug. 1990-July 1991	Aug. 1990	Aug.[1] 1986-1990	Aug. 1990-July 1991	Aug. 1990	Aug.[1] 1986-1990	Aug. 1990-July 1991
All manufacturing industries	0.1	0.2	0.2	0.1	0.2	0.2	0.1	0.1	0.0	0.0	0.1	0.1
urable goods industries	0.2	0.1	0.4	0.4	0.3	0.4	0.1	0.1	0.0	0.1	0.1	0.1
Stone, clay, and glass products	0.1	0.8	0.6	0.1	0.8	0.9	0.3	0.5	0.4	0.2	0.2	0.2
Primary metals	0.2	0.1	0.5	0.3	0.2	0.8	0.1	0.1	0.2	0.3	0.2	0.1
Fabricated metal products	0.0	0.2	0.5	0.1	0.3	0.5	0.0	0.2	0.2	0.1	0.1	0.4
Industrial machinery and equipment	0.1	0.3	0.6	0.7	0.5	0.8	0.3	0.2	0.2	0.1	0.1	0.1
Electronic and other electrical equipment	0.0	0.2	0.3	0.7	0.4	1.0	0.1	0.1	0.3	0.0	0.0	0.1
Transportation equipment	1.1	0.4	0.6	0.8	0.9	0.5	0.0	0.1	0.0	0.0	0.1	0.3
Instruments and related products	0.3	0.7	0.5	0.3	0.8	2.1	0.2	0.1	0.3	0.1	0.2	0.1
ondurable goods industries	0.2	0.2	0.2	0.3	0.3	0.2	0.2	0.3	0.3	0.1	0.1	0.1
Food and kindred products	0.0	0.3	0.2	(X)	(X)	(X)	(X)	(X)	(X)	0.5	0.3	0.2
Tobacco products	0.0	0.2	0.8	(X)	(X)	(X)	(X)	(X)	(X)	0.0	0.1	0.0
Textile mill products	0.2	1.1	0.7	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	0.1	0.2	0.1
Paper and allied products	0.1	0.2	0.3	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	0.0	0.1	0.2
Chemicals and allied products	0.2	0.8	0.3	(X)	(X)	(X)	(X)	(X)	(X)	0.0	0.2	0.1
Petroleum and coal products	0.6	0.7	0.6	(X)	(X)	(X)	(X)	(X)	(X)	0.1	0.3	0.1
Rubber and plastics products	0.0	0.4	0.7	(X)	(X)	(X)	(X)	(X)	(X)	0.0	0.2	0.1
pital goods industries :												
Nondefense	0.2	0.2	0.5	0.0	0.3	0.6	0.0	0.1	0.0	0.0	0.1	0.3
Defense	0.3	0.5	0.7	1.6	2.2	3.3	0.1	0.1	0.1	0.1	0.2	0.1

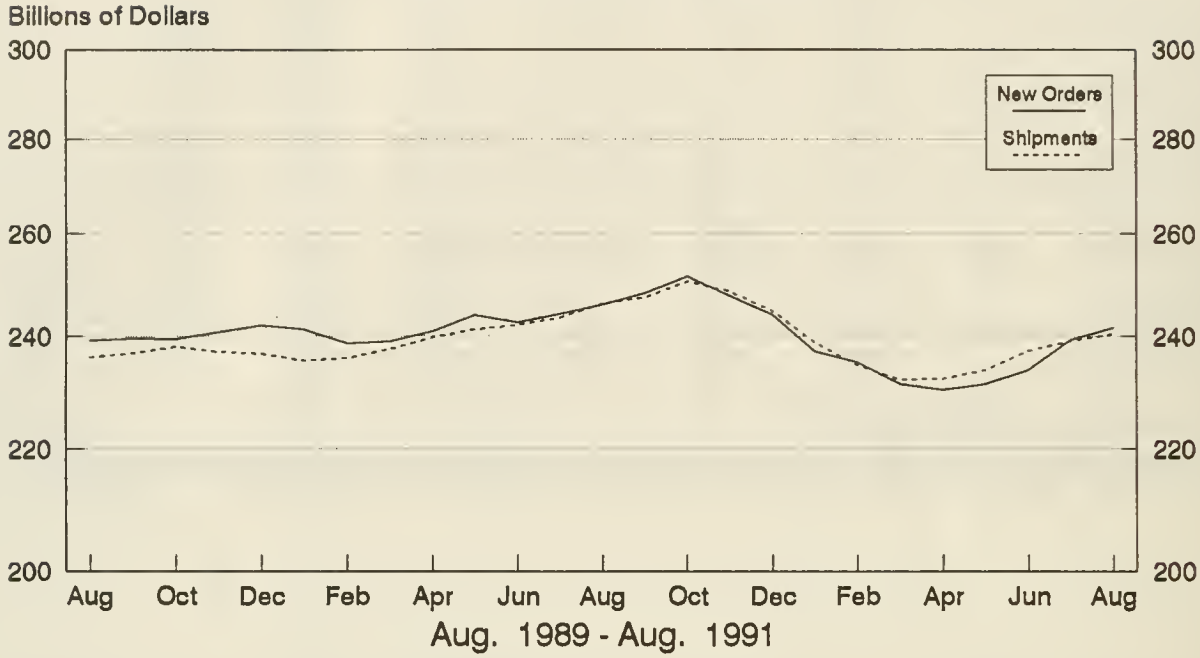
(X) Not applicable. (NA) Not available.

Note : The revisions are the differences between the month-to-month percent changes of the preliminary and final estimates. The monthly averages are the simple averages of the absolute values of the differences for the months specified. The advance to final percent change revisions for the durable goods industries are shown in the advance report for the month.

[1] Average for this month for the last five years.

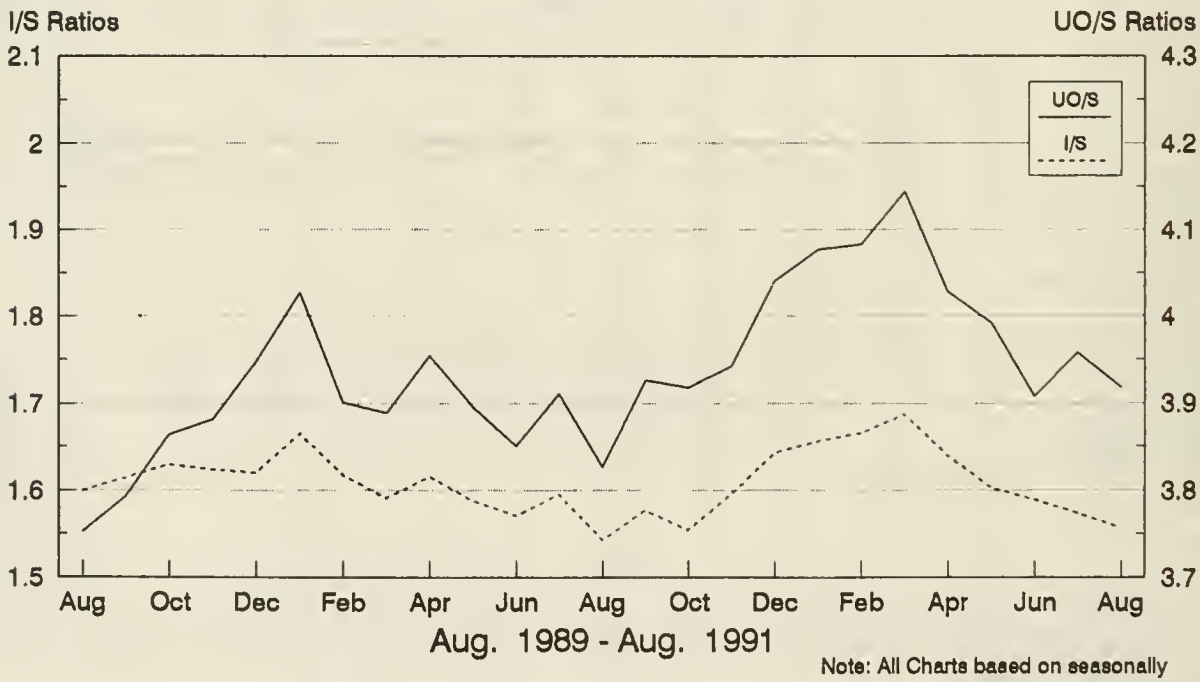
Total Manufacturing

New Orders and Shipments
Three Month Moving Averages



Total Manufacturing

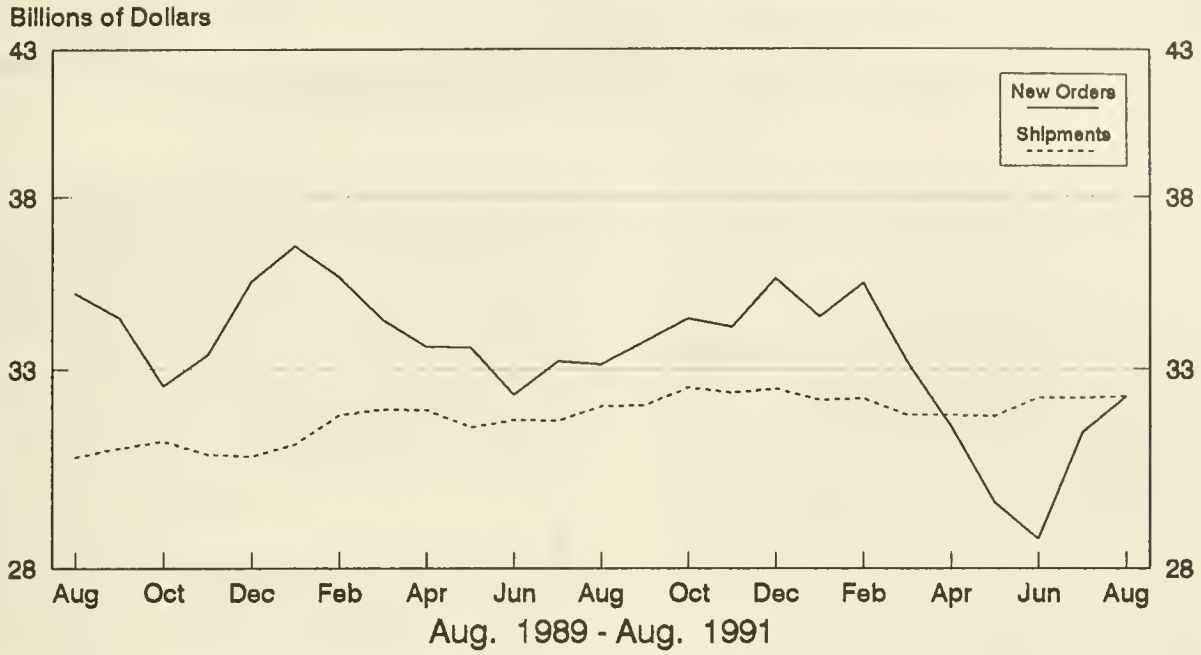
Ratio of Unfilled Orders and
Inventories to Shipments



Note: All Charts based on seasonally adjusted current dollars.

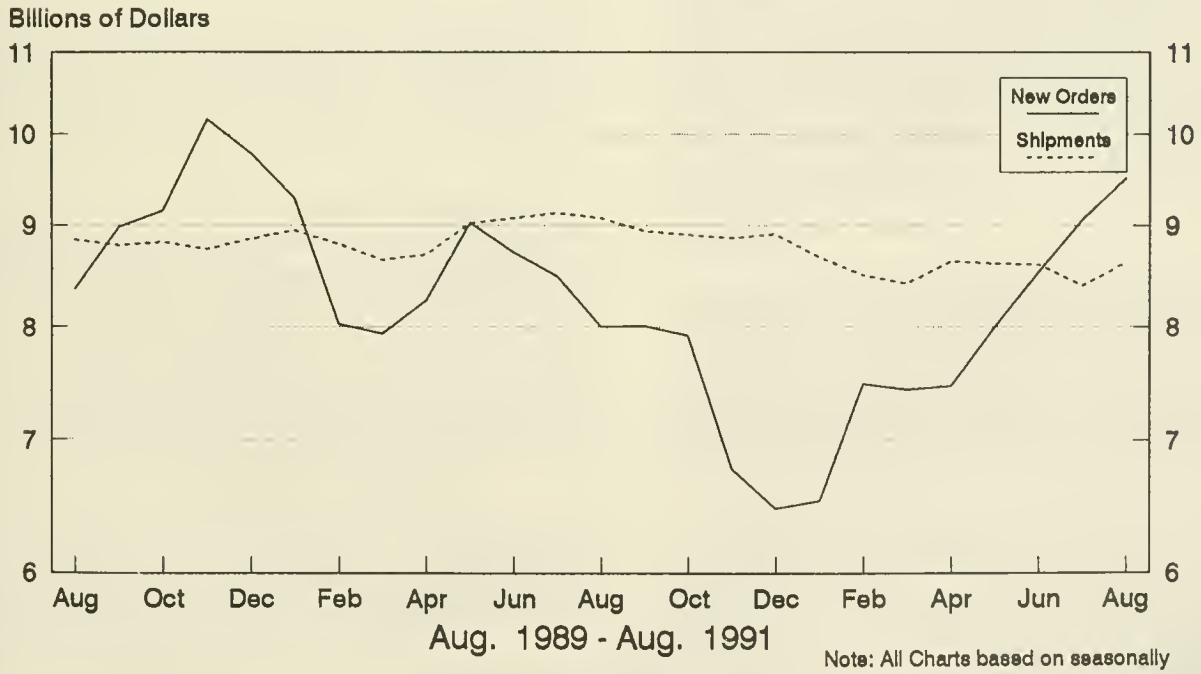
NonDefense Capital Goods

New Orders and Shipments
Three Month Moving Averages



Defense Capital Goods

New Orders and Shipments
Three Month Moving Averages



Note: All Charts based on seasonally adjusted current dollars.

U.S. Department of Commerce
BUREAU OF THE CENSUS
Washington, D.C. 20233

Official Business

Penalty for Private Use, $300

U.S.MAIL

POSTAGE AND FEES P
U S DEPARTMENT OF COMME

COM-2

First Class Mail

SUPERINTENDENT OF DOCUMENTS
DEPOSITORY
JAN 14 1992
BOSTON PUBLIC LIBRARY
GOVERNMENT DOCUMENTS DEPARTMENT

3.158:M 3-1(91)-9
rent Industrial Report...

Manufacturers' Shipments, Inventories, and Orders

September 1991

J. S. Department of Commerce
UREAU OF THE CENSUS

M3-1-(91)-9
For Wire Transmissions 10:00 a.m. E.S.T. Thursday, October 31, 1991

(All figures in text are in seasonally adjusted current dollars)

Summary

New orders for manufactured goods in September decreased $4.2 billion or 1.7 percent to $238.9 billion, the Department of Commerce, Bureau of the Census reported oday. The September decrease follows an August decrease of 2.0 percent and a July increase of 6.1 percent. Both the durable and nondurable sectors were down in September.

Shipments were up $0.4 billion or 0.2 percent to $242.3 billion. This is the sixth consecutive monthly increase following five consecutive monthly declines and is at the highest level since the November 1990 level of $245.8 billion. An increase in durable goods more than offset a decline in the nondurable goods sector.

Unfilled orders in September decreased $3.4 billion or 0.6 percent to $519.7 billion. This decline follows increases in August and July. A decline in unfilled orders for durable goods more than offset an increase in the nondurable goods.

Inventories increased $1.6 billion or 0.4 percent to $379.0 billion. This is the first increase since February 1991 when the level was $388.5 billion. Both durable and nondurable goods were up in September. The inventories-to-shipments ratio in September remained at 1.56.

New Orders

New orders for durable goods in September were down $4.0 billion or 3.2 percent to $121.5 billion. The September decrease follows a 4.1 percent decrease in August and an 11.7 percent increase in July. Excluding defense, new orders for durable goods were up $1.2 billion or 1.0 percent to $115.8 billion.

Transportation equipment accounted for the largest decrease, down $5.0 billion or 14.5 percent to $29.4 billion, as large decreases in aircraft and parts and shipbuilding and tanks more than offset an increase in motor vehicles and parts. This is the second consecutive monthly decline in transportation equipment following three monthly increases. Instruments and related products declined $0.8 billion or 8.0 percent to $9.8 billion, and primary metals was down $0.5 billion or 4.1 percent to $10.9 billion. The largest increase occurred in electronic and other electrical equipment, up $1.4 billion or 8.6 percent to $17.6 billion, with most of the increase occurring in communication equipment.

New orders for nondurable goods decreased $0.2 billion or 0.2 percent to $117.5 billion. Decreases in petroleum and coal products and printing and publishing more than offset increases in paper and allied products, rubber and plastics products, and leather goods.

Shipments

Shipments of durable goods in September increased $0.7 billion or 0.5 percent to $125.1 billion and are at the highest level since $127.7 billion in October 1990. Like all manufactured goods, durable goods has shown six consecutive monthly increases following five monthly declines. Excluding transportation equipment, durable goods shipments were up $0.1 billion or 0.1 percent to $91.3 billion. Transportation equipment, up $0.6 billion or 1.8 percent to $33.8 billion, contributed the largest increase, as shipments were up in nearly all components of that industry group. Transportation equipment has had six consecutive monthly increases. The largest decrease occurred in instruments and related products, down $0.4 billion or 3.5 percent to $9.9 billion, as a decrease in search and navigation equipment more than offset increases in other components of this industry group.

Shipments of nondurable goods decreased $0.2 billion or 0.2 percent to $117.2 billion. The largest decrease occurred in petroleum and coal products, down $0.4 billion or 3.2 percent to $13.2 billion.

Unfilled Orders

Unfilled orders for durable goods in September decreased $3.6 billion or 0.7 percent to $498.2 billion. This decrease follows two consecutive monthly increases. Excluding transportation equipment, unfilled orders for durable goods increased $0.7 billion or 0.3 percent to $222.6 billion. Transportation equipment was down $4.4 billion or 1.6 percent to $275.6 billion. Industrial machinery and equipment, up $0.4 billion or 0.8 percent to $54.9 billion, accounted for the largest increase. Unfilled orders for nondurable goods in September increased $0.3 billion or 1.3 percent to $21.5 billion.

Inventories

Inventories for durable goods in September were up $0.9 billion or 0.4 percent to $244.5 billion. Transportation equipment accounted for the largest increase, up $1.1 billion or 1.6 percent to $72.6 billion, with most of the increase occurring in aircraft and parts. Nondurable goods inventories increased $0.8 billion or 0.6 percent to $134.5 billion. The largest increase occurred in food and kindred products, up $0.5 billion or 1.9 percent to $28.5 billion

By stage of fabrication, finished-goods inventories increased 0.2 percent in durables and 0.5 percent in nondurables. Work in process was up 0.5 percent in durables and 1.7 percent in nondurables. Materials and supplies increased 0.2 percent in durables and 0.1 percent in nondurables.

The advance report on durable goods for October is scheduled for November 27, 1991 at 8:30 a.m. and the full report on December 5, 1991 at 10:00 a.m. Address inquiries concerning these figures to U.S. Department of Commerce, Bureau of the Census, Industry Division, Washington, DC 20233 or call Steve Andrews or Kathleen Menth, (301) 763-2502 or (301) 763-2575.
For sale by the Superintendent of Documents, U.S. Government Printing Office, Washington, DC 20402. This report is also available the day of issue through the Department of Commerce's online Economic Bulletin Board (N-8-1) (202-377-3870) and through the Census Bureau's online information service-CENDATA. CENDATA is available from Dialog Information Services, INC. (1-800-334-2464) and CompuServe (1-800-848-8199). The CENDATA staff at the Bureau of the Census (301-763-2074) can provide content information and general guidance.

Table 1. VALUE OF MANUFACTURERS' SHIPMENTS FOR INDUSTRY GROUPS
(Millions of dollars)

Industry	Seasonally adjusted						Not seasonally adjusted[1]						
	Monthly			Percent Change			Monthly				Percent change	Year to date	
	Sept. 1991[p]	Aug. 1991[r]	July 1991	Aug.-Sept.	July-Aug.	June-July	Sept. 1991[p]	Aug. 1991[r]	July 1991	Sept. 1990	Sept. 91/90	1991[p]	199
All manufacturing industries	242,305	241,894	240,193	+0.2	+0.7	+0.4	258,129	242,053	218,827	262,422	-1.6	2,133,976	2,179,79
Manufacturing industries with unfilled orders	133,667	133,392	131,846	+0.2	+1.2	+0.3	143,348	132,335	117,506	144,081	-0.5	1,170,519	1,206,87
Durable goods industries	125,113	124,459	122,994	+0.5	+1.2	+0.6	133,610	122,340	107,332	133,787	-0.1	1,083,948	1,132,09
With unfilled orders	104,884	104,652	103,102	+0.2	+1.5	-0.2	112,986	102,942	90,697	112,983	0.0	915,355	943,69
Stone, clay, and glass products	4,990	4,884	5,006	+2.2	-2.4	+5.1	5,393	5,158	4,765	5,575	-3.3	42,763	48,18
Primary metals	10,829	10,754	10,611	+0.7	+1.3	+1.9	11,234	10,854	9,836	12,409	-9.5	96,598	109,41
Blast furnaces, steel mills	4,480	4,426	4,296	+1.2	+3.0	+2.0	4,552	4,399	3,970	4,958	-8.2	39,004	44,79
Iron and steel foundries	870	840	869	+3.6	-3.3	+0.5	924	867	768	1,020	-9.4	7,812	8,77
Nonferrous and other primary metals	5,479	5,488	5,446	-0.2	+0.8	+2.0	5,758	5,588	5,098	6,431	-10.5	49,782	55,84
Fabricated metal products	15,242	15,401	14,895	-1.0	+3.4	-0.7	16,113	15,404	13,541	16,626	-3.1	135,198	142,33
Industrial machinery and equipment	20,711	20,526	20,511	+0.9	+0.1	-3.0	22,748	19,147	17,876	23,989	-5.2	186,501	196,70
Engines and turbines	1,515	1,457	1,551	+4.0	-6.1	-12.9	1,696	1,341	1,172	1,505	+12.7	12,754	11,80
Farm and garden machinery	1,306	1,074	1,272	+21.6	-15.6	-6.9	1,251	902	947	1,413	-11.5	11,650	13,19
Construction, mining and material handling equipment	2,979	2,854	2,373	+4.4	+20.3	-15.5	2,934	2,666	2,363	2,633	+11.4	25,233	24,70
Metalworking machinery	1,797	1,812	1,721	-0.8	+5.3	-4.5	1,910	1,702	1,513	2,144	-10.9	15,524	18,20
Computer and office equipment	5,536	5,769	5,846	-4.0	-1.3	+0.3	7,186	5,198	4,446	7,832	-8.2	50,690	52,05
Electronic and other electrical equipment	17,375	17,114	17,166	+1.5	-0.3	+0.5	19,093	17,061	15,251	18,134	+5.3	151,628	149,21
Electrical transmission and distribution equipment and industrial apparatus	2,361	2,302	2,269	+2.6	+1.5	-6.1	2,628	2,225	1,992	2,655	-1.0	20,937	21,69
Household appliances	1,562	1,564	1,522	-0.1	+2.8	-4.0	1,626	1,585	1,467	1,542	+5.4	14,012	14,03
Electric lighting and wiring equipment	1,318	1,284	1,301	+2.6	-1.3	+2.7	1,433	1,307	1,130	1,416	+1.2	11,520	11,45
Household audio and video equipment	957	932	911	+2.7	+2.3	+25.1	1,270	986	726	1,045	+21.5	7,344	6,50
Communications equipment	4,241	4,070	4,184	+4.2	-2.7	+3.9	4,631	3,992	3,564	4,196	+10.4	36,280	34,65
Electronic components	5,241	5,300	5,389	-1.1	-1.7	+2.3	5,571	5,324	4,995	5,404	+3.1	47,414	46,55
Transportation equipment	33,796	33,198	32,692	+1.8	+1.5	+2.7	35,391	31,889	25,671	33,416	+5.9	275,856	284,69
Motor vehicles and parts	20,024	19,879	19,979	+0.7	-0.5	+7.6	20,831	19,311	14,233	19,682	+5.8	161,977	174,85
Aircraft, missiles, space vehicles, and parts	11,736	11,457	10,882	+2.4	+5.3	-4.5	12,507	10,723	9,733	11,703	+6.9	96,917	92,1
Shipbuilding and tanks	1,026	987	1,000	+4.0	-1.3	+0.8	1,039	981	938	988	+5.2	8,914	8,4
Instruments and related products	9,926	10,291	9,933	-3.5	+3.6	-0.3	10,564	9,968	9,067	10,620	-0.5	88,283	88,8
Search and navigation equipment	2,764	3,264	2,807	-15.3	+16.3	-5.1	2,975	3,174	2,414	3,319	-10.4	25,382	26,7
Measuring and controlling devices	2,308	2,259	2,316	+2.2	-2.5	-0.9	2,458	2,254	2,137	2,453	+0.2	20,707	21,8
Medical instruments and supplies	2,541	2,462	2,561	+3.2	-3.9	+4.8	2,671	2,428	2,432	2,476	+7.9	22,365	20,8
Photographic goods	1,978	1,983	1,921	-0.3	+3.2	+0.4	2,120	1,808	1,772	2,093	+1.3	17,171	16,9
All other durable goods	12,244	12,291	12,180	-0.4	+0.9	+1.1	13,074	12,859	11,325	13,018	+0.4	107,121	112,6
Nondurable goods industries	117,192	117,435	117,199	-0.2	+0.2	+0.3	124,519	119,713	111,495	128,635	-3.2	1,050,028	1,047,7
With unfilled orders	28,783	28,740	28,744	+0.1	0.0	+1.8	30,362	29,393	26,809	31,098	-2.4	255,164	263,1
Food and kindred products	33,211	33,273	32,981	-0.2	+0.9	-0.9	35,113	33,370	31,765	35,229	-0.3	297,202	295,8
Meat products	7,962	7,859	7,855	+1.3	+0.1	-2.4	8,193	8,065	7,722	8,410	-2.6	72,008	72,2
Dairy products	4,586	4,550	4,468	+0.8	+1.8	-0.3	4,691	4,619	4,495	4,712	-0.4	40,407	42,1
Beverages	4,536	4,494	4,519	+0.9	-0.6	-0.9	4,586	4,788	4,848	4,537	+1.1	40,934	40,1
All other foods, except fats and oils	14,573	14,785	14,818	-1.4	-0.2	+0.4	16,089	14,350	13,379	16,082	0.0	130,849	128,1
Tobacco products	2,587	2,547	2,556	+1.6	-0.4	-0.2	2,954	2,456	1,792	2,744	+7.7	21,373	20,2
Textile mill products	5,643	5,598	5,546	+0.8	+0.9	+2.0	6,188	5,901	4,773	5,603	+10.4	47,327	48,0
Broadwoven fabrics and other textiles	3,410	3,420	3,380	-0.3	+1.2	+4.0	3,741	3,578	2,824	3,441	+8.7	28,525	29,1
Paper and allied products	10,325	10,266	10,251	+0.6	+0.1	-0.3	10,530	10,406	9,964	11,041	-4.6	92,027	97,2
Pulp, paper, and paperboard mill products	4,336	4,326	4,357	+0.2	-0.7	-1.6	4,375	4,350	4,258	4,826	-9.3	39,349	42,2
Paperboard containers and boxes	2,265	2,309	2,326	-1.9	-0.7	+2.7	2,308	2,388	2,222	2,494	-7.5	20,541	22,0
Miscellaneous converted paper products	3,724	3,631	3,568	+2.6	+1.8	-0.6	3,847	3,668	3,484	3,721	+3.4	32,137	32,9
Chemicals and allied products	23,996	24,027	24,062	-0.1	-0.1	+0.7	25,084	24,037	22,566	25,487	-1.6	218,316	214,3
Industrial chemicals	12,614	12,762	12,765	-1.2	0.0	+2.6	12,728	12,688	12,116	13,843	-8.1	115,507	116,9
Drugs, soaps, and toiletries	8,829	8,679	8,586	+1.7	+1.1	-0.8	10,021	8,895	7,925	9,186	+9.1	77,941	72,7
Petroleum and coal products	13,243	13,687	13,714	-3.2	-0.2	-3.1	14,372	14,394	13,672	18,752	-23.4	125,469	125,4
Rubber and plastics products	8,075	7,930	7,927	+1.8	0.0	+3.9	8,388	7,997	7,559	8,051	+4.2	69,780	69,4
All other nondurable goods	20,112	20,107	20,162	0.0	-0.3	+2.6	21,890	21,152	19,404	21,728	+0.7	178,534	176,9

[p] Preliminary. [r] Revised.

[1] Shipments and new orders are the totals for the period and are adjusted for trading-day and calendar-month variations.

Table 2. VALUE OF MANUFACTURERS' NEW ORDERS FOR INDUSTRY GROUPS
(Millions of dollars)

Industry	Seasonally adjusted						Not seasonally adjusted[1]						
	Monthly			Percent Change			Monthly				Percent change	Year to date	
	Sept. 1991[p]	Aug. 1991[r]	July 1991	Aug.-Sept.	July-Aug.	June-July	Sept. 1991[p]	Aug. 1991[r]	July 1991	Sept. 1990	Sept. 91/90	1991[p]	1990
All manufacturing industries	238,933	243,160	248,090	-1.7	-2.0	+6.1	254,120	240,835	226,615	263,029	-3.4	2,127,040	2,187,803
Manufacturing industries with unfilled orders	130,295	134,658	139,743	-3.2	-3.6	+10.8	139,339	131,117	125,294	144,688	-3.7	1,163,583	1,214,881
Durable goods industries	121,470	125,482	130,827	-3.2	-4.1	+11.7	129,357	120,697	114,829	134,528	-3.8	1,074,887	1,139,193
With unfilled orders	101,241	105,675	110,935	-4.2	-4.7	+13.0	108,733	101,299	98,194	113,724	-4.4	906,294	950,794
Stone, clay, and glass products	5,101	4,928	5,310	+3.5	-7.2	+7.1	5,405	5,298	5,079	5,675	-4.8	44,111	48,432
Primary metals	10,856	11,318	11,496	-4.1	-1.5	+6.6	10,840	10,764	10,604	11,817	-8.3	95,068	109,592
Blast furnaces, steel mills	4,516	4,924	5,088	-8.3	-3.2	+13.7	4,391	4,685	4,775	4,604	-4.6	38,889	45,117
Iron and steel foundries	827	869	893	-4.8	-2.7	+1.8	837	901	799	968	-13.5	7,559	9,290
Nonferrous and other primary metals	5,513	5,525	5,515	-0.2	+0.2	+1.6	5,612	5,178	5,030	6,245	-10.1	48,620	55,185
Fabricated metal products	15,246	15,370	14,875	-0.8	+3.3	+1.9	15,873	15,313	13,735	17,064	-7.0	134,752	142,546
Industrial machinery and equipment	21,160	20,374	20,522	+3.9	-0.7	+1.9	22,993	19,040	17,937	24,247	-5.2	184,193	196,597
Engines and turbines	2,204	1,411	1,930	+56.2	-26.9	+42.3	2,417	1,431	1,741	1,771	+36.5	13,807	13,049
Construction, mining and material handling equipment	2,980	2,830	2,232	+5.3	+26.8	-5.9	2,888	2,562	2,235	2,455	+17.6	23,792	24,320
Metalworking machinery	1,956	1,842	1,850	+6.2	-0.4	+6.3	2,069	1,732	1,642	2,195	-5.7	15,502	17,661
Computer and office equipment	5,412	5,782	5,769	-6.4	+0.2	-2.5	6,926	5,217	4,495	8,455	-18.1	51,186	52,936
Electronic and other electrical equipment	17,563	16,174	17,523	+8.6	-7.7	+14.0	18,964	16,151	15,622	17,386	+9.1	150,517	150,006
Electrical transmission and distribution equipment and industrial apparatus	2,222	2,241	2,505	-0.8	-10.5	+11.5	2,454	2,194	2,257	2,666	-8.0	20,917	21,737
Electric lighting and wiring equipment	1,306	1,263	1,532	+3.4	-17.6	+21.0	1,421	1,286	1,361	1,412	+0.6	11,818	11,572
Communications equipment	4,631	3,426	4,022	+35.2	-14.8	+6.4	5,046	3,402	3,355	4,035	+25.1	34,290	34,809
Electronic components	5,239	5,139	5,373	+1.9	-4.4	+26.2	5,371	5,026	4,887	4,865	+10.4	47,514	46,339
Transportation equipment	29,409	34,404	37,882	-14.5	-9.2	+27.1	32,053	31,802	30,334	35,399	-9.5	272,827	293,203
Aircraft, missiles, space vehicles, and parts	7,002	11,860	16,595	-41.0	-28.5	+67.8	8,929	9,912	14,690	14,512	-38.5	93,745	102,001
Shipbuilding and tanks	-129	1,645	481	-107.8	+242.0	-12.5	-149	1,662	547	469	-131.8	8,326	8,260
Instruments and related products	9,776	10,626	10,808	-8.0	-1.7	+13.0	10,288	9,637	9,692	10,133	+1.5	85,584	84,976
Search and navigation equipment	2,709	3,732	3,531	-27.4	+5.7	+28.6	2,741	3,037	2,884	2,808	-2.4	23,054	22,967
Measuring and controlling devices	2,228	2,170	2,269	+2.7	-4.4	-4.3	2,378	2,165	2,090	2,313	+2.8	20,629	21,512
Medical instruments and supplies	2,590	2,474	2,698	+4.7	-8.3	+22.7	2,720	2,440	2,569	2,524	+7.8	22,037	21,046
All other durable goods	12,359	12,288	12,411	+0.6	-1.0	+4.2	12,941	12,692	11,826	12,807	+1.0	107,835	113,841
Nondurable goods industries	117,463	117,678	117,263	-0.2	+0.4	+0.6	124,763	120,138	111,786	128,501	-2.9	1,052,153	1,048,610
With unfilled orders	29,054	28,983	28,808	+0.2	+0.6	+3.0	30,606	29,818	27,100	30,964	-1.2	257,289	264,087

[p] Preliminary. [r] Revised.

[1] Shipments and new orders are the totals for the period and are adjusted for trading-day and calendar-month variations.

Table 3. VALUE OF MANUFACTURERS' UNFILLED ORDERS FOR INDUSTRY GROUPS
(Millions of dollars)

Industry	Seasonally adjusted						Not seasonally adjusted				
	Monthly			Percent Change			Monthly				Percent change Sept. 91/90
	Sept. 1991[p]	Aug. 1991[r]	July 1991	Aug.-Sept.	July-Aug.	June-July	Sept. 1991[p]	Aug. 1991[r]	July 1991	Sept. 1990	
All manufacturing industries	519,734	523,106	521,840	-0.6	+0.2	+1.5	517,136	521,145	522,363	525,826	-1.7
Durable goods industries	498,189	501,832	500,809	-0.7	+0.2	+1.6	495,070	499,323	500,966	504,376	-1.8
Stone, clay, and glass products	6,391	6,280	6,236	+1.8	+0.7	+5.1	6,432	6,420	6,280	5,416	+18.8
Primary metals	21,661	21,634	21,070	+0.1	+2.7	+4.4	20,829	21,223	21,313	23,331	-10.7
Blast furnaces, steel mills	8,569	8,533	8,035	+0.4	+6.2	+10.9	8,149	8,310	8,024	9,311	-12.5
Iron and steel foundries	2,796	2,839	2,810	-1.5	+1.0	+0.9	2,765	2,852	2,818	3,106	-11.0
Nonferrous and other primary metals	10,296	10,262	10,225	+0.3	+0.4	+0.7	9,915	10,061	10,471	10,914	-9.2
Fabricated metal products	26,912	26,908	26,939	0.0	-0.1	-0.1	26,814	27,054	27,145	28,540	-6.0
Industrial machinery and equipment	54,874	54,425	54,577	+0.8	-0.3	0.0	54,617	54,372	54,479	58,951	-7.4
Engines and turbines	8,903	8,214	8,260	+8.4	-0.6	+4.8	8,951	8,230	8,140	7,944	+12.7
Construction, mining and material handling equipment	6,786	6,785	6,809	0.0	-0.4	-2.0	6,650	6,696	6,800	8,165	-18.6
Metalworking machinery	7,032	6,873	6,843	+2.3	+0.4	+1.9	7,032	6,873	6,843	7,156	-1.7
Computer and office equipment	12,190	12,314	12,301	-1.0	+0.1	-0.6	12,214	12,474	12,455	13,101	-6.8
Electronic and other electrical equipment	47,658	47,470	48,410	+0.4	-1.9	+0.7	47,532	47,661	48,571	48,599	-2.2
Electrical transmission and distribution equipment and industrial apparatus	6,576	6,715	6,776	-2.1	-0.9	+3.6	6,560	6,734	6,765	6,569	-0.1
Electric lighting and wiring equipment	2,365	2,377	2,398	-0.5	-0.9	+10.7	2,365	2,377	2,398	2,106	+12.3
Communications equipment	20,423	20,033	20,677	+1.9	-3.1	-0.8	20,413	19,998	20,588	21,488	-5.0
Electronic components	13,930	13,932	14,093	0.0	-1.1	-0.1	13,805	14,005	14,303	14,027	-1.6
Transportation equipment	275,630	280,017	278,811	-1.6	+0.4	+1.9	274,479	277,817	277,904	269,736	+1.8
Aircraft, missiles, space vehicles, and parts	239,664	244,398	243,995	-1.9	+0.2	+2.4	238,486	242,064	242,875	233,472	+2.1
Shipbuilding and tanks	25,999	27,155	26,497	-4.3	+2.5	-1.9	26,183	27,372	26,691	26,937	-2.8
Instruments and related products	58,208	58,358	58,023	-0.3	+0.6	+1.5	57,346	57,622	57,953	62,169	-7.8
Search and navigation equipment	41,444	41,499	41,031	-0.1	+1.1	+1.8	40,530	40,764	40,901	44,782	-9.5
Measuring and controlling devices	8,058	8,138	8,227	-1.0	-1.1	-0.6	8,058	8,138	8,227	8,115	-0.7
Medical instruments and supplies	7,733	7,684	7,672	+0.6	+0.2	+1.8	7,733	7,684	7,672	8,127	-4.8
All other durable goods	6,855	6,740	6,743	+1.7	0.0	+3.5	7,021	7,154	7,321	7,634	-8.0
Nondurable goods industries	21,545	21,274	21,031	+1.3	+1.2	+0.3	22,066	21,822	21,397	21,450	+2.9

[p] Preliminary. [r] Revised.

Table 4. VALUE OF MANUFACTURERS' INVENTORIES FOR INDUSTRY GROUPS
(Millions of dollars)

Industry	Seasonally adjusted						Not seasonally adjusted				
	Monthly			Percent Change			Monthly				Percent change
	Sept. 1991[p]	Aug. 1991[r]	July 1991	Aug.-Sept.	July-Aug.	June-July	Sept. 1991[p]	Aug. 1991[r]	July 1991	Sept. 1990	Sept. 91/90
All manufacturing industries	379,024	377,388	378,002	+0.4	-0.2	-0.5	377,707	378,749	378,863	388,993	-2.9
nufacturing industries with nfilled orders	259,166	258,511	259,639	+0.3	-0.4	-0.5	258,401	260,396	261,608	268,427	-3.7
rable goods industries	244,488	243,616	244,467	+0.4	-0.3	-0.5	243,407	244,736	245,338	253,780	-4.1
Vith unfilled orders	226,247	225,599	226,529	+0.3	-0.4	-0.5	225,477	226,967	227,784	234,655	-3.9
one, clay, and glass products	7,895	7,988	7,968	-1.2	+0.3	-0.6	7,694	7,918	8,027	7,724	-0.4
imary metals	21,978	22,065	22,217	-0.4	-0.7	-1.3	22,037	22,058	22,235	23,547	-6.4
Blast furnaces, steel mills	10,761	10,774	10,851	-0.1	-0.7	-0.8	10,847	10,796	10,863	11,385	-4.7
Iron and steel foundries	1,461	1,449	1,453	+0.8	-0.3	-0.3	1,424	1,424	1,419	1,408	+1.1
Nonferrous and other primary metals	9,756	9,842	9,913	-0.9	-0.7	-1.9	9,766	9,838	9,953	10,754	-9.2
bricated metal products	23,031	23,101	23,163	-0.3	-0.3	-1.2	22,833	22,989	23,075	24,452	-6.6
dustrial machinery and equipment	46,554	46,735	46,985	-0.4	-0.5	+0.1	46,385	47,029	47,041	48,109	-3.6
Engines and turbines	3,655	3,684	3,683	-0.8	0.0	-0.5	3,751	3,859	3,810	3,634	+3.2
Farm and garden machinery	2,318	2,332	2,323	-0.6	+0.4	-1.6	2,262	2,261	2,226	2,547	-11.2
Construction, mining and material handling equipment	6,720	6,779	6,854	-0.9	-1.1	-0.4	6,633	6,733	6,772	6,544	+1.4
Metalworking machinery	4,910	4,936	4,931	-0.5	+0.1	-0.4	4,944	5,014	4,953	5,092	-2.9
Computer and office equipment	10,555	10,489	10,621	+0.6	-1.2	+2.6	10,576	10,731	10,765	11,735	-9.9
ectronic and other lectrical equipment	29,143	29,159	29,377	-0.1	-0.7	+0.2	29,022	29,345	29,589	30,533	-4.9
Electrical transmission and distribution equipment and industrial apparatus	4,203	4,218	4,238	-0.4	-0.5	-2.1	4,173	4,205	4,221	4,519	-7.7
Household appliances	2,303	2,234	2,276	+3.1	-1.8	-0.7	2,220	2,172	2,270	2,597	-14.5
Electric lighting and wiring equipment	3,225	3,254	3,270	-0.9	-0.5	-0.8	3,215	3,270	3,328	3,382	-4.9
Household audio and video equipment	1,076	1,054	1,002	+2.1	+5.2	-0.1	1,110	1,120	1,061	1,237	-10.3
Communications equipment	5,539	5,577	5,728	-0.7	-2.6	+1.6	5,592	5,644	5,744	5,890	-5.1
Electronic components	9,093	9,145	9,220	-0.6	-0.8	+0.5	9,093	9,247	9,306	9,260	-1.8
ansportation equipment	72,589	71,466	71,612	+1.6	-0.2	-0.6	72,359	71,937	71,933	73,407	-1.4
Motor vehicles and parts	12,685	12,564	12,488	+1.0	+0.6	+0.1	12,688	12,601	12,080	12,418	+2.2
Aircraft, missiles, space vehicles, and parts.	55,936	54,963	55,147	+1.8	-0.3	-0.8	55,634	55,341	55,775	56,357	-1.3
Shipbuilding and tanks	1,984	1,987	2,034	-0.2	-2.3	-0.4	2,054	2,020	2,103	2,457	-16.4
struments and related products	23,603	23,603	23,638	0.0	-0.1	-0.3	23,457	23,884	23,843	24,801	-5.4
Search and navigation equipment	8,690	8,728	8,700	-0.4	+0.3	-0.4	8,614	8,908	8,853	9,625	-10.5
Measuring and controlling devices	6,090	6,127	6,168	-0.6	-0.7	-1.1	6,084	6,166	6,166	6,494	-6.3
Medical instruments and supplies	5,523	5,448	5,430	+1.4	+0.3	+1.3	5,435	5,441	5,440	5,248	+3.6
Photographic goods	2,733	2,714	2,747	+0.7	-1.2	-0.8	2,760	2,775	2,780	2,788	-1.0
l other durable goods	19,695	19,499	19,507	+1.0	0.0	-0.7	19,620	19,576	19,595	21,207	-7.5
ondurable goods industries	134,536	133,772	133,535	+0.6	+0.2	-0.6	134,300	134,013	133,525	135,213	-0.7
With unfilled orders	32,919	32,912	33,110	0.0	-0.6	-0.6	32,924	33,429	33,824	33,772	-2.5
ood and kindred products	28,483	27,962	27,864	+1.9	+0.4	-1.1	29,054	28,145	27,071	28,501	+1.9
Meat products	3,015	3,014	2,988	0.0	+0.9	+0.6	2,952	2,935	2,968	2,934	+0.6
Dairy products	2,429	2,421	2,342	+0.3	+3.4	-1.8	2,419	2,477	2,431	2,661	-9.1
Beverages	4,790	4,749	4,742	+0.9	+0.1	-1.2	4,790	4,631	4,669	4,655	+2.9
All other foods, except fats and oils	16,584	16,236	16,199	+2.1	+0.2	-1.4	17,463	16,781	15,574	16,939	+3.1
obacco products	5,903	5,950	5,987	-0.8	-0.6	+3.2	5,744	5,720	5,607	5,290	+8.6
xtile mill products	8,743	8,579	8,561	+1.9	+0.2	+0.2	8,632	8,670	8,767	8,957	-3.6
Broadwoven fabrics and other textiles	4,998	5,022	5,035	-0.5	-0.3	+0.2	4,898	5,044	5,115	5,173	-5.3
per and allied products	13,144	13,098	13,247	+0.4	-1.1	-0.6	12,959	13,006	13,319	13,024	-0.5
Pulp, paper, and paperboard mill products	5,552	5,521	5,537	+0.6	-0.3	-0.4	5,441	5,456	5,521	5,234	+4.0
Paperboard containers and boxes	3,112	3,106	3,119	+0.2	-0.4	-1.5	3,128	3,106	3,150	3,196	-2.1
Miscellaneous converted paper products	4,480	4,471	4,591	+0.2	-2.6	-0.3	4,390	4,444	4,648	4,594	-4.4
emicals and allied products	32,484	32,476	32,228	0.0	+0.8	-0.6	31,917	32,307	32,354	31,014	+2.9
Industrial chemicals	16,284	16,343	16,319	-0.4	+0.1	-1.9	16,072	16,229	16,429	15,936	+0.9
Drugs, soaps, and toiletries	11,473	11,393	11,232	+0.7	+1.4	+0.5	11,312	11,565	11,434	10,601	+6.7
troleum and coal products	11,794	11,688	11,613	+0.9	+0.6	-1.4	11,840	11,582	11,559	13,296	-11.0
ubber and plastics products	11,278	11,359	11,405	-0.7	-0.4	-1.1	11,146	11,231	11,355	11,491	-3.0
l other nondurable goods	22,707	22,660	22,630	+0.2	+0.1	-0.5	23,008	23,352	23,493	23,640	-2.7

[p] Preliminary. [r] Revised.

Table 5. VALUE OF MANUFACTURERS' SHIPMENTS AND NEW ORDERS FOR TOPICAL SERIES[1]
(Millions of dollars)

Industry	Seasonally adjusted						Not seasonally adjusted [2]						
	Monthly			Percent Change			Monthly				Percent change	Year to date	
	Sept. 1991[p]	Aug. 1991[r]	July 1991	Aug.-Sept.	July-Aug.	June-July	Sept. 1991[p]	Aug. 1991[r]	July 1991	Sept. 1990	Sept. 91/90	1991[p]	1990
SHIPMENTS													
All manufacturing industries	242,305	241,894	240,193	+0.2	+0.7	+0.4	258,129	242,053	218,827	262,422	-1.6	2,133,976	2,179,79
Market categories :													
Automotive equipment	9,006	8,854	8,781	+1.7	+0.8	+7.8	9,317	8,474	6,455	9,099	+2.4	72,013	80,19
Home goods and apparel	15,300	15,129	15,069	+1.1	+0.4	+2.9	17,209	16,281	14,172	15,747	+9.3	131,075	127,69
Consumer staples	55,719	55,830	55,635	-0.2	+0.4	-0.9	59,876	56,447	52,770	61,931	-3.3	500,423	493,59
Machinery and equipment	39,866	39,217	39,033	+1.7	+0.5	-1.0	42,846	37,020	33,993	42,981	-0.3	345,762	351,75
Business supplies	19,214	19,410	19,350	-1.0	+0.3	+1.2	20,234	19,498	17,981	21,684	-6.7	173,818	175,70
Construction materials and supplies	13,740	13,685	13,743	+0.4	-0.4	+1.8	14,748	14,398	13,276	14,959	-1.4	120,649	130,63
Defense products	9,082	9,218	8,337	-1.5	+10.6	-2.9	9,525	9,074	7,423	9,063	+5.1	75,941	78,12
Other materials, supplies and and intermediate products	80,378	80,551	80,245	-0.2	+0.4	+0.8	84,374	80,861	72,757	86,958	-3.0	714,295	742,08
Durable goods industries :													
Nondefense capital goods [3]	32,538	32,260	31,732	+0.9	+1.7	-3.4	35,803	30,366	28,140	35,797	0.0	285,938	284,77
Excluding aircraft and parts	26,071	25,725	25,535	+1.3	+0.7	-2.5	28,829	24,473	22,498	29,198	-1.3	230,815	236,46
Defense capital goods [4]	8,938	9,140	8,246	-2.2	+10.8	-3.6	9,400	8,924	7,215	9,081	+3.5	74,879	77,37
Durables excluding capital goods	83,637	83,059	83,016	+0.7	+0.1	+2.7	88,407	83,050	71,977	88,909	-0.6	723,131	769,94
Miscellaneous series :													
Producers' durable equipment	79,553	78,989	78,653	+0.7	+0.4	+1.1	85,322	76,345	66,207	84,737	+0.7	686,679	710,32
Household durable goods	6,864	6,786	6,678	+1.1	+1.6	+4.6	7,786	6,959	5,705	7,277	+7.0	58,229	57,63
Information technology industries	14,265	14,265	14,452	0.0	-1.3	+0.9	16,598	13,465	12,101	16,864	-1.6	126,713	127,42
Health care equipment and products	7,330	7,169	7,221	+2.2	-0.7	+1.2	8,095	7,252	6,731	7,453	+8.6	64,611	60,32
NEW ORDERS													
All manufacturing industries	238,933	243,160	248,090	-1.7	-2.0	+6.1	254,120	240,835	226,615	263,029	-3.4	2,127,040	2,187,80
Market categories :													
Automotive equipment	9,339	8,902	8,785	+4.9	+1.3	+8.4	9,624	8,509	6,491	9,067	+6.1	72,381	80,13
Home goods and apparel	15,623	15,409	15,036	+1.4	+2.5	+2.7	17,330	16,485	14,338	15,793	+9.7	133,030	129,56
Consumer staples	55,723	55,815	55,692	-0.2	+0.2	-1.0	59,880	56,470	52,834	61,932	-3.3	500,485	493,49
Machinery and equipment	38,762	37,554	42,265	+3.2	-11.1	+19.7	41,520	35,337	37,346	44,397	-6.5	339,178	364,88
Business supplies	19,195	19,348	19,353	-0.8	0.0	+1.5	20,195	19,537	18,071	21,586	-6.4	173,825	176,11
Construction materials and supplies	13,829	13,716	14,325	+0.8	-4.3	+5.1	14,709	14,352	13,857	15,070	-2.4	121,573	130,74
Defense products	5,861	10,966	9,391	-46.6	+16.8	+13.5	7,400	9,024	7,591	9,560	-22.6	69,138	68,80
Other materials, supplies and and intermediate products	80,601	81,450	83,243	-1.0	-2.2	+6.1	83,462	81,121	76,087	85,624	-2.5	717,430	744,06
Durable goods industries :													
Nondefense capital goods [3]	30,790	30,993	36,689	-0.7	-15.5	+25.3	33,789	29,310	33,278	37,379	-9.6	281,884	299,59
Excluding aircraft and parts	26,846	24,890	25,407	+7.9	-2.0	+4.8	29,338	23,849	22,551	29,017	+1.1	225,940	235,58
Defense capital goods [4]	5,637	10,804	9,385	-47.8	+15.1	+13.3	7,101	8,705	7,415	9,570	-25.8	68,030	67,81
Durables excluding capital goods	85,043	83,685	84,753	+1.6	-1.3	+6.5	88,467	82,682	74,136	87,579	+1.0	724,973	771,78
Miscellaneous series :													
Producers' durable equipment	80,199	77,139	79,297	+4.0	-2.7	+9.8	85,127	74,396	67,803	85,557	-0.5	678,409	721,68
Household durable goods	7,002	6,961	6,756	+0.6	+3.0	+6.1	7,636	7,084	5,938	7,060	+8.2	59,409	58,45
Information technology industries	14,507	13,719	14,298	+5.7	-4.0	+2.3	16,737	12,976	11,991	17,282	-3.2	125,566	127,51
Health care equipment and products	7,379	7,180	7,358	+2.8	-2.4	+6.9	8,144	7,263	6,870	7,501	+8.6	64,281	60,51

[p] Preliminary. [r] Revised.

[1] Topical series are regroupings of the separate industry categories.

[2] Shipments and new orders are the totals for the period and are adjusted for trading-day and calendar-month variations.

[3] Nondefense capital goods industries include : ordnance and accessories; steam, gas and hydraulic turbines; internal combustion engines; construction, mining, and material handling equipment metalworking machinery; special industry machinery; general industrial machinery; computer and office equipment; refrigeration, heating and service industry machinery; electrical transmission and distribution equipment; electrical industrial apparatus; communications equipment; aircraft, missiles, space vehicles, and engines and parts; ships and tank components; railroad equipment; and search and navigation equipment.

[4] Defense capital goods industries include : ordnance and accessories; communications equipment; aircraft, missiles, space vehicles, and engines and parts; ships, tanks and tank components; and search and navigation equipment.

Table 6. VALUE OF MANUFACTURERS' UNFILLED ORDERS AND TOTAL INVENTORIES FOR TOPICAL SERIES[1]
(Millions of dollars)

Industry	Seasonally adjusted						Not seasonally adjusted				
	Monthly			Percent Change			Monthly				Percent change
	Sept. 1991[p]	Aug. 1991[r]	July 1991	Aug.-Sept.	July-Aug.	June-July	Sept. 1991[p]	Aug. 1991[r]	July 1991	Sept. 1990	Sept. 91/90
UNFILLED ORDERS											
All manufacturing industries	519,734	523,106	521,840	-0.6	+0.2	+1.5	517,136	521,145	522,363	525,826	-1.7
Market categories :											
Automotive equipment	2,233	1,900	1,852	+17.5	+2.6	+0.2	2,204	1,897	1,862	1,956	+12.7
Home goods and apparel	8,653	8,331	8,050	+3.9	+3.5	-0.4	8,950	8,829	8,625	8,642	+3.6
Consumer staples	1,361	1,357	1,371	+0.3	-1.0	+4.3	1,384	1,380	1,356	1,355	+2.1
Machinery and equipment	221,800	222,903	224,567	-0.5	-0.7	+1.5	221,744	223,071	224,754	218,750	+1.4
Business supplies	5,769	5,788	5,851	-0.3	-1.1	+0.1	5,885	5,924	5,886	6,268	-6.1
Construction materials and supplies	13,438	13,350	13,318	+0.7	+0.2	+4.6	13,328	13,368	13,414	12,974	+2.7
Defense products	138,902	142,123	140,375	-2.3	+1.2	+0.8	136,876	139,001	139,052	147,100	-7.0
Other materials, supplies and and intermediate products	127,578	127,354	126,456	+0.2	+0.7	+2.4	126,765	127,675	127,414	128,781	-1.6
Durable goods industries :											
Nondefense capital goods [3]	245,922	247,670	248,937	-0.7	-0.5	+2.0	245,790	247,804	248,860	240,953	+2.0
Excluding aircraft and parts	82,623	81,848	82,683	+0.9	-1.0	-0.2	82,491	81,982	82,606	88,780	-7.1
Defense capital goods [4]	148,029	151,330	149,666	-2.2	+1.1	+0.8	145,927	148,226	148,445	156,726	-6.9
Durables excluding capital goods	104,238	102,832	102,206	+1.4	+0.6	+1.7	103,353	103,293	103,661	106,697	-3.1
Miscellaneous series :											
Producers' durable equipment	247,268	246,622	248,472	+0.3	-0.7	+0.3	247,170	247,365	249,314	247,793	-0.3
Household durable goods	5,171	5,033	4,858	+2.7	+3.6	+1.6	5,278	5,428	5,303	5,378	-1.9
Information technology industries	41,086	40,844	41,390	+0.6	-1.3	-0.4	41,131	40,992	41,481	43,203	-4.8
Health care equipment and products	7,759	7,710	7,699	+0.6	+0.1	+1.8	7,760	7,711	7,700	8,159	-4.9
TOTAL INVENTORIES											
All manufacturing industries	379,024	377,388	378,002	+0.4	-0.2	-0.5	377,707	378,749	378,863	388,993	-2.9
Market categories :											
Automotive equipment	6,364	6,274	6,209	+1.4	+1.0	-0.3	6,316	6,267	6,093	6,462	-2.3
Home goods and apparel	25,858	25,395	25,244	+1.8	+0.6	-0.6	25,752	25,712	25,942	27,312	-5.7
Consumer staples	55,094	54,594	54,359	+0.9	+0.4	-0.4	55,454	54,836	53,612	54,857	+1.1
Machinery and equipment	86,811	86,662	86,572	+0.2	+0.1	-0.1	86,127	86,988	86,858	86,816	-0.8
Business supplies	21,435	21,450	21,460	-0.1	0.0	-1.1	21,608	21,729	21,754	22,542	-4.1
Construction materials and supplies	22,995	23,040	23,063	-0.2	-0.1	-0.3	22,726	22,971	23,137	23,664	-4.0
Defense products	34,371	33,955	34,429	+1.2	-1.4	-0.5	34,450	34,339	34,879	37,889	-9.1
Other materials, supplies and and intermediate products	126,096	126,018	126,666	+0.1	-0.5	-0.8	125,274	125,907	126,588	129,451	-3.2
Durable goods industries :											
Nondefense capital goods [3]	82,886	82,985	82,925	-0.1	+0.1	+0.1	82,307	83,467	83,463	83,314	-1.2
Excluding aircraft and parts	54,342	54,533	54,957	-0.4	-0.8	+0.1	54,231	55,021	55,238	57,222	-5.2
Defense capital goods [4]	36,775	35,992	36,704	+2.2	-1.9	-1.1	36,940	36,491	37,186	40,505	-8.8
Durables excluding capital goods	124,827	124,639	124,838	+0.2	-0.2	-0.7	124,160	124,778	124,689	129,961	-4.5
Miscellaneous series :											
Producers' durable equipment	139,324	138,825	138,846	+0.4	0.0	-0.4	138,354	139,245	138,950	142,207	-2.7
Household durable goods	12,106	11,961	11,923	+1.2	+0.3	-1.3	12,048	12,104	12,164	13,219	-8.9
Information technology industries	26,706	26,713	27,107	0.0	-1.5	+0.9	26,740	27,171	27,368	29,227	-8.5
Health care equipment and products	11,771	11,653	11,549	+1.0	+0.9	+0.8	11,597	11,736	11,666	11,035	+5.1

See footnotes at end of table 5.

Table 7. VALUE OF MANUFACTURERS' INVENTORIES, BY STAGE OF FABRICATION, BY INDUSTRY GROUP
(Millions of dollars)

Industry	Seasonally adjusted						Not seasonally adjusted				
	Monthly			Percent Change			Monthly				Percent change
	Sept. 1991[p]	Aug. 1991[r]	July 1991	Aug.-Sept.	July-Aug.	June-July	Sept. 1991[p]	Aug. 1991[r]	July 1991	Sept. 1990	Sept. 91/90
MATERIALS AND SUPPLIES											
All manufacturing industries	116,390	116,188	116,345	+0.2	-0.1	-0.3	115,934	116,241	116,112	119,134	-2.7
Durable goods industries	67,083	66,951	66,936	+0.2	0.0	-0.7	67,254	67,475	66,994	70,334	-4.4
Stone, clay, and glass products	2,486	2,501	2,500	-0.6	0.0	0.0	2,458	2,504	2,526	2,516	-2.3
Primary metals	6,902	6,818	6,839	+1.2	-0.3	-1.8	7,051	6,912	6,791	7,485	-5.8
Fabricated metal products	7,968	7,971	7,969	0.0	0.0	-0.5	7,967	8,023	8,003	8,760	-9.1
Industrial machinery and equipment	12,487	12,630	12,689	-1.1	-0.5	-0.5	12,506	12,733	12,717	13,120	-4.7
Electronic and other electrical equipment	8,938	8,991	8,843	-0.6	+1.7	-1.1	8,915	9,015	8,939	9,626	-7.4
Transportation equipment	14,243	14,093	14,301	+1.1	-1.5	0.0	14,217	14,260	14,199	14,143	+0.5
Instruments and related products	5,796	5,741	5,718	+1.0	+0.4	-0.6	5,788	5,810	5,781	5,857	-1.2
Lumber, furniture and miscellaneous durable goods	8,263	8,206	8,077	+0.7	+1.6	-1.2	8,352	8,218	8,038	8,827	-5.4
Nondurable goods industries	49,307	49,237	49,409	+0.1	-0.3	+0.2	48,680	48,766	49,118	48,800	-0.2
Food and kindred products	9,628	9,500	9,651	+1.3	-1.6	+0.2	9,241	9,163	9,354	9,014	+2.5
Tobacco products	4,421	4,470	4,461	-1.1	+0.2	+2.4	4,296	4,215	4,125	3,921	+9.6
Textile mill products	2,393	2,374	2,369	+0.8	+0.2	+0.2	2,345	2,394	2,446	2,443	-4.0
Paper and allied products	6,893	6,842	6,929	+0.7	-1.3	-0.1	6,890	6,791	6,943	6,949	-0.8
Chemicals and allied products	10,951	11,119	11,034	-1.5	+0.8	+0.1	10,860	11,146	11,103	10,692	+1.6
Petroleum and coal products	3,367	3,371	3,413	-0.1	-1.2	+3.5	3,297	3,323	3,362	3,531	-6.6
Rubber and plastics products	4,032	4,033	4,061	0.0	-0.7	-1.0	4,053	3,991	4,049	4,329	-6.4
Apparel, printing and publishing and leather goods	7,622	7,528	7,491	+1.2	+0.5	-1.3	7,698	7,743	7,736	7,921	-2.8
WORK IN PROCESS											
All manufacturing industries	139,670	138,647	139,578	+0.7	-0.7	-0.4	139,867	139,637	140,608	145,576	-3.9
Durable goods industries	116,947	116,308	117,350	+0.5	-0.9	-0.3	117,073	117,218	118,220	122,449	-4.4
Stone, clay, and glass products	1,052	1,070	1,065	-1.7	+0.5	+2.8	1,020	1,058	1,069	994	+2.6
Primary metals	8,879	8,991	9,127	-1.2	-1.5	-1.0	8,873	8,998	9,181	9,475	-6.4
Fabricated metal products	7,989	8,012	8,115	-0.3	-1.3	+0.7	7,956	7,951	8,012	8,331	-4.5
Industrial machinery and equipment	21,016	21,166	21,482	-0.7	-1.5	-0.2	21,239	21,317	21,508	21,942	-3.2
Electronic and other electrical equipment	11,917	11,936	12,105	-0.2	-1.4	-0.3	12,006	12,076	12,248	12,347	-2.8
Transportation equipment	49,126	48,080	48,292	+2.2	-0.4	-0.7	49,133	48,506	48,914	51,049	-3.8
Instruments and related products	12,560	12,675	12,679	-0.9	0.0	-0.3	12,492	12,892	12,795	13,654	-8.5
Lumber, furniture and miscellaneous durable goods	4,408	4,378	4,485	+0.7	-2.4	+1.9	4,354	4,420	4,493	4,657	-6.5
Nondurable goods industries	22,723	22,339	22,228	+1.7	+0.5	-0.7	22,794	22,419	22,388	23,127	-1.4
Food and kindred products	3,456	3,356	3,333	+3.0	+0.7	-0.2	3,451	3,190	3,234	3,375	+2.3
Tobacco products	179	178	162	+0.6	+9.9	+9.5	203	152	121	181	+12.2
Textile mill products	2,568	2,513	2,486	+2.2	+1.1	+0.8	2,562	2,521	2,529	2,557	+0.2
Paper and allied products	1,247	1,265	1,273	-1.4	-0.6	-4.1	1,228	1,287	1,315	1,344	-8.6
Chemicals and allied products	5,345	5,290	5,223	+1.0	+1.3	-1.1	5,327	5,361	5,292	5,015	+6.2
Petroleum and coal products	2,972	2,762	2,766	+7.6	-0.1	-4.8	2,975	2,767	2,778	3,377	-11.9
Rubber and plastics products	1,557	1,548	1,525	+0.6	+1.5	-1.2	1,574	1,564	1,510	1,631	-3.5
Apparel, printing and publishing and leather goods	5,399	5,427	5,460	-0.5	-0.6	+1.4	5,474	5,577	5,609	5,647	-3.1
FINISHED GOODS											
All manufacturing industries	122,964	122,553	122,079	+0.3	+0.4	-0.9	121,906	122,871	122,143	124,283	-1.9
Durable goods industries	60,458	60,357	60,181	+0.2	+0.3	-0.5	59,080	60,043	60,124	60,997	-3.1
Stone, clay, and glass products	4,357	4,417	4,403	-1.4	+0.3	-1.8	4,216	4,356	4,432	4,214	0.0
Primary metals	6,197	6,256	6,251	-0.9	+0.1	-1.2	6,113	6,148	6,263	6,587	-7.2
Fabricated metal products	7,074	7,118	7,079	-0.6	+0.6	-3.9	6,910	7,015	7,060	7,361	-6.1
Industrial machinery and equipment	13,051	12,939	12,814	+0.9	+1.0	+1.3	12,640	12,979	12,816	13,047	-3.1
Electronic and other electrical equipment	8,288	8,232	8,429	+0.7	-2.3	+2.2	8,101	8,254	8,402	8,560	-5.4
Transportation equipment	9,220	9,293	9,019	-0.8	+3.0	-1.1	9,009	9,171	8,820	8,215	+9.7
Instruments and related products	5,247	5,187	5,241	+1.2	-1.0	-0.2	5,177	5,182	5,267	5,290	-2.1
Lumber, furniture and miscellaneous durable goods	7,024	6,915	6,945	+1.6	-0.4	-1.7	6,914	6,938	7,064	7,723	-10.5
Nondurable goods industries	62,506	62,196	61,898	+0.5	+0.5	-1.2	62,826	62,828	62,019	63,286	-0.7
Food and kindred products	15,399	15,106	14,880	+1.9	+1.5	-2.1	16,362	15,792	14,483	16,112	+1.6
Tobacco products	1,303	1,302	1,364	+0.1	-4.5	+5.0	1,245	1,353	1,361	1,188	+4.8
Textile mill products	3,782	3,692	3,706	+2.4	-0.4	-0.2	3,725	3,755	3,792	3,957	-5.9
Paper and allied products	5,004	4,991	5,045	+0.3	-1.1	-0.5	4,841	4,928	5,061	4,731	+2.3
Chemicals and allied products	16,188	16,067	15,971	+0.8	+0.6	-0.9	15,730	15,800	15,959	15,307	+2.8
Petroleum and coal products	5,455	5,555	5,434	-1.8	+2.2	-2.5	5,568	5,492	5,419	6,388	-12.8
Rubber and plastics products	5,689	5,778	5,819	-1.5	-0.7	-1.2	5,519	5,676	5,796	5,531	-0.2
Apparel, printing and publishing and leather goods	9,686	9,705	9,679	-0.2	+0.3	-1.0	9,836	10,032	10,148	10,072	-2.3

[p] Prelimary. [r] Revised.

Table 8. RATIOS OF MANUFACTURES' INVENTORIES TO SHIPMENTS AND UNFILLED ORDERS TO SHIPMENTS, BY INDUSTRY GROUP
(Based on seasonally adjusted data)

Industry	Inventory / Shipments ratio				Unfilled Orders / Shipments ratio[1]			
	Sept. 1991[p]	Aug. 1991[r]	July 1991	June 1991	Sept. 1991[p]	Aug. 1991[r]	July 1991	June 1991
All manufacturing industries	1.56	1.56	1.57	1.59	3.89	3.92	3.96	3.91
Durable goods industries	1.95	1.96	1.99	2.01	4.75	4.80	4.86	4.77
Stone, clay, and glass products	1.58	1.64	1.59	1.68	1.41	1.42	1.37	1.38
Primary metals	2.03	2.05	2.09	2.16	2.00	2.01	1.99	1.94
Fabricated metal products	1.51	1.50	1.56	1.56	1.93	1.91	1.99	1.98
Industrial machinery and equipment	2.25	2.28	2.29	2.22	2.83	2.80	2.84	2.76
Electronic and other electrical equipment	1.68	1.70	1.71	1.72	2.74	2.77	2.82	2.81
Transportation equipment	2.15	2.15	2.19	2.26	12.18	12.57	12.76	12.37
Instruments and related products	2.38	2.29	2.38	2.38	5.86	5.67	5.84	5.74
Nondurable goods industries	1.15	1.14	1.14	1.15	0.75	0.74	0.73	0.74
Food and kindred products	0.86	0.84	0.84	0.85	(X)	(X)	(X)	(X)
Tobacco products	2.28	2.34	2.34	2.27	(X)	(X)	(X)	(X)
Textile mill products	1.55	1.53	1.54	1.57	(NA)	(NA)	(NA)	(NA)
Paper and allied products	1.27	1.28	1.29	1.30	(NA)	(NA)	(NA)	(NA)
Chemicals and allied products	1.35	1.35	1.34	1.36	(X)	(X)	(X)	(X)
Petroleum and coal products	0.89	0.85	0.85	0.83	(X)	(X)	(X)	(X)
Rubber and plastics products	1.40	1.43	1.44	1.51	(X)	(X)	(X)	(X)

[p] Preliminary. [r] Revised. (X) Not applicable. (NA) Not available.

[1] Excludes the following industries with no unfilled orders : Wood and lumber products; glass containers; metal cans, barrels and drums; farm and garden machinery; motor vehicle assembly operations; other transportation equipment; foods and related products; tobacco; knitting mill products; apparel and related products; chemicals; petroleum and coal products; and rubber and plastics products.

Table 9. AVERAGE REVISIONS TO PREVIOUSLY PUBLISHED MONTHLY PERCENT CHANGES
(Based on seasonally adjusted data)

Industry	Shipments			New orders			Unfilled orders			Inventories		
	Sept. 1990	Sept.[1] 1986-1990	Sept. 1990-Aug. 1991	Sept. 1990	Sept.[1] 1986-1990	Sept. 1990-Aug. 1991	Sept. 1990	Sept.[1] 1986-1990	Sept. 1990-Aug. 1991	Sept. 1990	Sept.[1] 1986-1990	Sept. 1990-Aug. 1991
All manufacturing industries	0.2	0.2	0.2	0.3	0.5	0.2	0.0	0.1	0.0	0.0	0.0	0.1
Durable goods industries	0.2	0.3	0.4	1.4	0.9	0.4	0.0	0.1	0.0	0.0	0.0	0.1
Stone, clay, and glass products	0.1	0.5	0.6	0.1	0.6	0.9	0.2	0.4	0.4	0.0	0.4	0.2
Primary metals	0.2	0.9	0.5	0.2	1.3	0.9	0.2	0.4	0.2	0.2	0.1	0.1
Fabricated metal products	0.5	0.3	0.5	0.0	0.4	0.6	0.2	0.2	0.2	0.1	0.1	0.3
Industrial machinery and equipment	0.5	0.5	0.6	0.8	0.7	0.7	0.1	0.2	0.1	0.0	0.1	0.1
Electronic and other electrical equipment	0.3	0.6	0.3	0.5	0.7	1.0	0.1	0.1	0.3	0.2	0.3	0.1
Transportation equipment	0.1	0.2	0.5	0.4	1.4	0.5	0.1	0.2	0.0	0.0	0.0	0.3
Instruments and related products	0.5	0.8	0.5	4.8	2.1	2.2	2.0	0.7	0.3	0.1	0.2	0.1
Nondurable goods industries	0.1	0.3	0.2	0.1	0.3	0.2	0.4	0.5	0.2	0.0	0.1	0.1
Food and kindred products	0.3	0.5	0.2	(X)	(X)	(X)	(X)	(X)	(X)	0.1	0.1	0.2
Tobacco products	0.0	0.6	0.8	(X)	(X)	(X)	(X)	(X)	(X)	0.0	0.0	0.0
Textile mill products	0.8	0.7	0.7	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	0.0	0.5	0.1
Paper and allied products	0.2	0.5	0.3	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	0.0	0.2	0.2
Chemicals and allied products	0.3	0.5	0.3	(X)	(X)	(X)	(X)	(X)	(X)	0.0	0.2	0.1
Petroleum and coal products	0.0	0.2	0.5	(X)	(X)	(X)	(X)	(X)	(X)	0.2	0.4	0.1
Rubber and plastics products	0.0	0.3	0.7	(X)	(X)	(X)	(X)	(X)	(X)	0.1	0.2	0.1
Capital goods industries :												
Nondefense	0.3	0.5	0.5	0.6	0.8	0.6	0.0	0.1	0.0	0.1	0.1	0.3
Defense	0.3	0.4	0.8	0.7	6.2	3.2	0.0	0.3	0.1	0.0	0.0	0.1

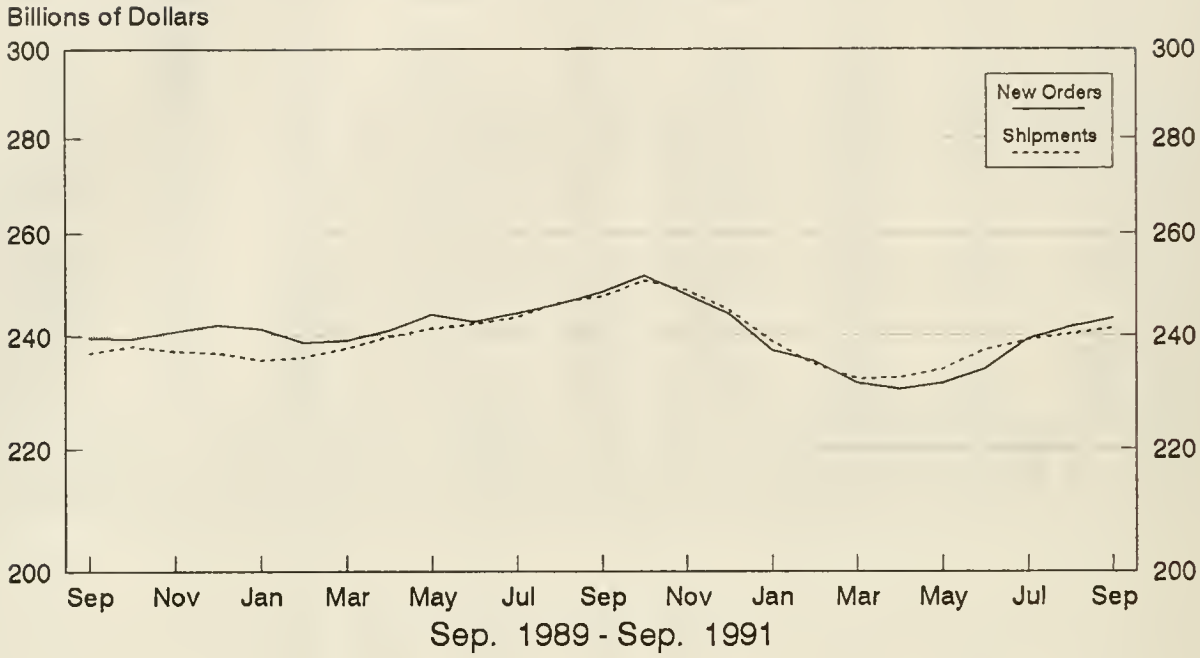
(X) Not applicable. (NA) Not available.

Note : The revisions are the differences between the month-to-month percent changes of the preliminary and final estimates. The monthly averages are the simple averages of the absolute values of the differences for the months specified. The advance to final percent change revisions for the durable goods industries are shown in the advance report for the month.

[1] Average for this month for the last five years.

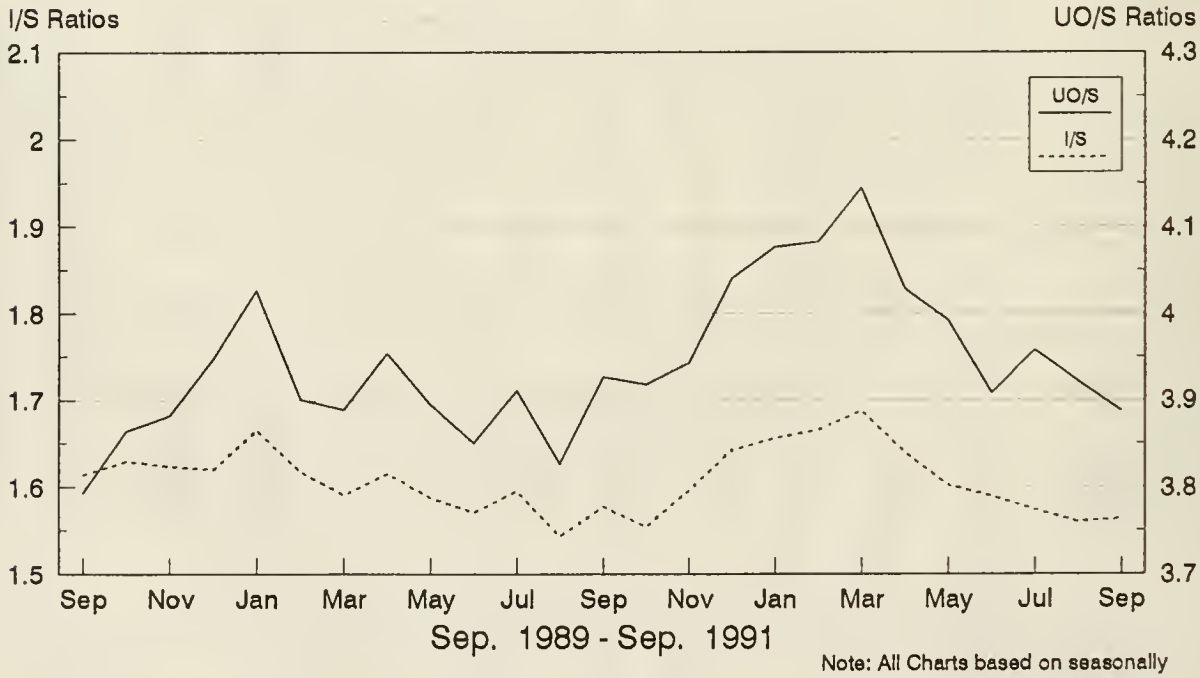
Total Manufacturing

New Orders and Shipments
Three Month Moving Averages



Total Manufacturing

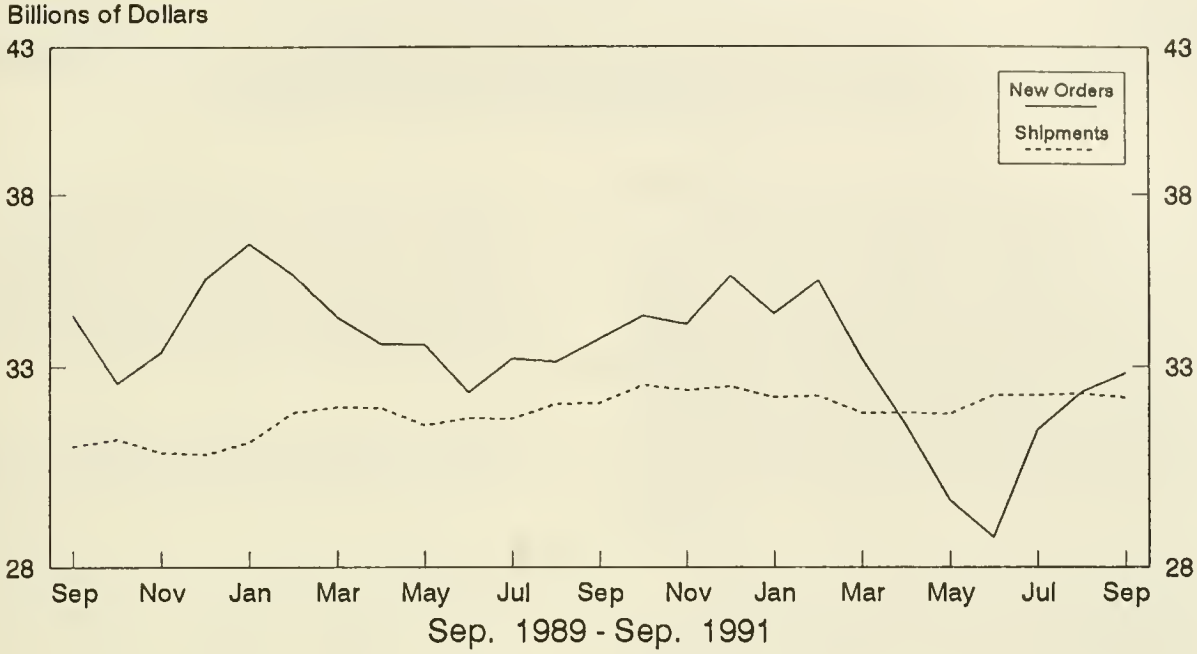
Ratio of Unfilled Orders and
Inventories to Shipments



Note: All Charts based on seasonally adjusted current dollars.

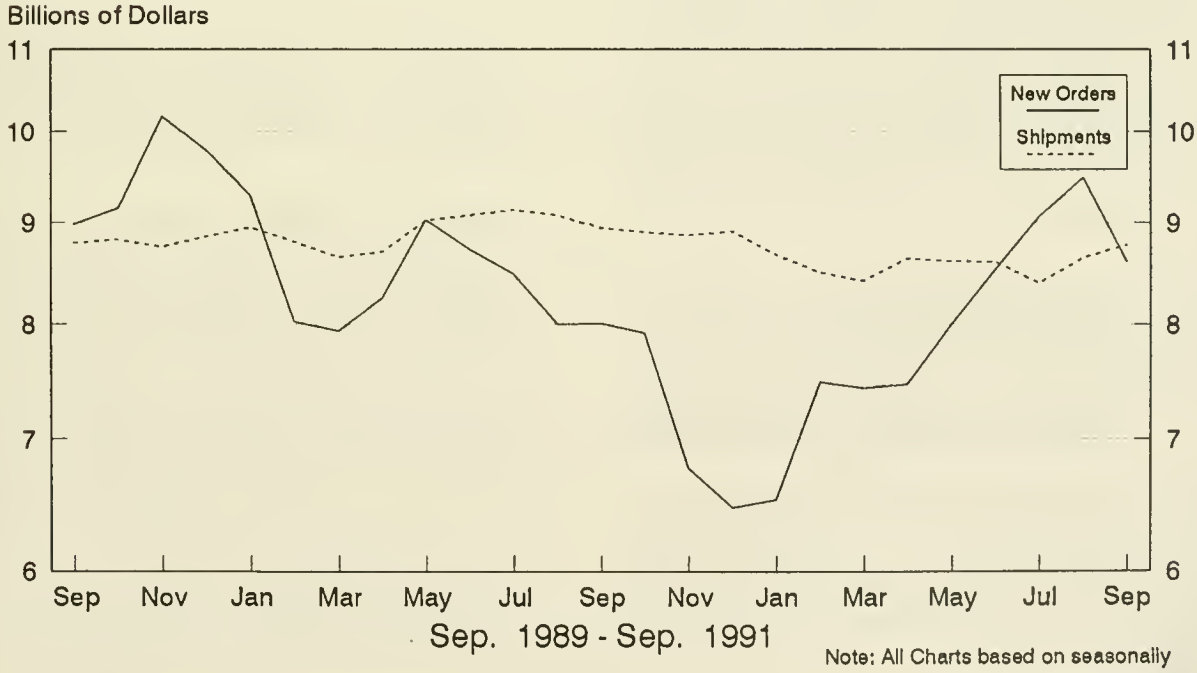
NonDefense Capital Goods

New Orders and Shipments
Three Month Moving Averages



Defense Capital Goods

New Orders and Shipments
Three Month Moving Averages



Note: All Charts based on seasonally adjusted current dollars.

U.S. Department of Commerce
BUREAU OF THE CENSUS
Washington, D.C. 20233

Official Business

Penalty for Private Use, $300

U.S.MAIL

POSTAGE AND FEES PAI
U S DEPARTMENT OF COMMERC

COM-20

First Class Mail

3.158:M 3-1(91)-10
rrent Industrial Report...

SUPERINTENDENT OF DOCUMENTS
DEPOSITORY
MAR 7 1992
BOSTON PUBLIC LIBRARY

Manufacturers' Shipments, Inventories, and Orders

. S. Department of Commerce
JREAU OF THE CENSUS

October 1991
M3-1-(91)-10
For Wire Transmissions 10:00 a.m. E.S.T. Thursday, December 5, 1991

(All figures in text are in seasonally adjusted current dollars)

ummary

New orders for manufactured goods in October ıcreased $4.4 billion or 1.9 percent to $242.1 billion, the)epartment of Commerce, Bureau of the Census reported ɔday. The October increase follows a September decrease f 2.3 percent and an August decrease of 2.0 percent. Both ıe durable and nondurable goods sectors were up in)ctober.

Shipments were up $2.6 billion or 1.1 percent to $244.9 illion. This is the seventh consecutive monthly increase and at the highest level since the November 1990 level of 245.8 billion. Both durable and nondurable goods sectors ere up in October.

Unfilled orders in October decreased $2.8 billion or 0.5 ercent to $515.8 billion. This follows a decline in eptember and an increase in August. Both durable and ondurable goods sectors were down in October.

Inventories were virtually unchanged at $378.9 billion. n increase in the nondurable goods sector was offset by a early equal decline in durable goods. The inventories-to- ıipments ratio in October decreased to 1.55 from 1.56 in eptember.

ew Orders

New orders for durable goods in October were up $3.6 llion or 3.0 percent to $123.7 billion. The October ıcrease follows decreases of 4.3 percent in September and 1 percent in August. Excluding transportation, new orders ır durable goods were up $0.1 billion or 0.1 percent to)0.9 billion.

Transportation equipment accounted for the largest crease, up $3.5 billion or 12.0 percent to $32.9 billion, as rge increases in aircraft and parts and shipbuilding and nks more than offset a decrease in motor vehicles and arts. Electronic and other electrical equipment was up $0.6 llion or 3.3 percent to $17.4 billion with communication ıuipment and electrical transmission apparatus accounting ır most of the increase. Industrial machinery and ıuipment had the largest decrease, down $0.7 billion or 3.3 ercent to $20.3 billion, as declines in engines and turbines, etalworking machinery, and construction, mining, and aterial handling equipment more than offset a large crease in computer and office equipment.

New orders for nondurable goods increased $0.8 billion 0.7 percent to $118.4 billion. The largest increases curred in petroleum and coal products, chemicals and lied products, and printing and publishing.

Shipments

Shipments of durable goods in October increased $1.5 billion or 1.2 percent to $126.5 billion and are at the highest level since $127.7 billion in October 1990. Like all manufactured goods, durable goods has shown seven consecutive monthly increases. Excluding transportation equipment, durable goods shipments were up $0.5 billion or 0.6 percent to $91.7 billion. Transportation equipment, up $1.0 billion or 3.0 percent to $34.8 billion, accounted for the largest increase, due primarily to motor vehicle and parts. Other large increases occurred in fabricated metal products, up $0.4 billion or 2.6 percent to $15.7 billion, and industrial machinery and equipment, up $0.4 billion or 1.9 percent to $21.1 billion.

Shipments of nondurable goods increased $1.1 billion or 0.9 percent to $118.4 billion. The largest increases occurred in petroleum and coal products, up $0.4 billion or 3.2 percent to $13.8 billion, and chemicals and allied products, up $0.3 billion or 1.4 percent to $24.4 billion.

Unfilled Orders

Unfilled orders for durable goods in October decreased $2.8 billion or 0.6 percent to $494.3 billion. This is the second consecutive monthly decline. Excluding transportation equipment, unfilled orders for durable goods decreased $0.8 billion or 0.4 percent to $220.7 billion. Transportation equipment, down $2.0 billion or 0.7 percent to $273.6 billion had the largest decrease. Other large declines were in industrial machinery and equipment, down $0.7 billion or 1.3 percent to $54.1 billion, and fabricated metal products, down $0.4 billion or 1.4 percent to $26.4 billion. Unfilled orders for nondurable goods in October remained at $21.5 billion.

Inventories

Inventories for durable goods in October were down $0.6 billion or 0.2 percent to $243.8 billion. The largest decrease was in electronic and other electrical equipment, down $0.2 billion or 0.6 percent to $28.9 billion. Nondurable goods increased $0.6 billion or 0.4 percent to $135.1 billion. The largest increase occurred in food and kindred products, up $0.3 billion or 1.1 percent to $28.8 billion.

By stage of fabrication, finished-goods inventories remained virtually unchanged in durables and increased 0.5 percent in nondurables. Work in process was down 0.4 percent in durables and remained virtually unchanged in nondurables. Materials and supplies decreased 0.1 percent in durables and increased 0.5 percent in nondurables.

ıe advance report on durable goods for November is scheduled for December 24, 1991 at 8:30 a.m. and the full report on January 3, 1992 at 10:00 a.m. Address ıuiries concerning these figures to U.S. Department of Commerce, Bureau of the Census, Industry Division, Washington, DC 20233 or call Steve Andrews Kathleen Menth, (301) 763-2502 or (301) 763-2575.For sale by the Superintendent of Documents, U.S. Government Printing Office, Washington, DC 20402. ıis report is also available the day of issue through the Department of Commerce's online Economic Bulletin Board (N-8-1) (202-377-3870) and through the nsus Bureau's online information service-CENDATA. CENDATA is available from Dialog Information Services, INC. (1-800-334-2464) and CompuServe 800-848-8199). The CENDATA staff at the Bureau of the Census (301-763-2074) can provide content information and general guidance.

Table 1. VALUE OF MANUFACTURERS' SHIPMENTS FOR INDUSTRY GROUPS
(Millions of dollars)

Industry	Seasonally adjusted						Not seasonally adjusted[1]						
	Monthly			Percent Change			Monthly				Percent change	Year to date	
	Oct. 1991[p]	Sept. 1991[r]	Aug. 1991	Sept.-Oct.	Aug.-Sept.	July-Aug.	Oct. 1991[p]	Sept. 1991[r]	Aug. 1991	Oct. 1990	Oct. 91/90	1991[p]	1
All manufacturing industries	244,886	242,240	241,894	+1.1	+0.1	+0.7	253,561	257,962	242,053	259,185	-2.2	2,387,370	2,438
Manufacturing industries with unfilled orders	134,729	133,576	133,392	+0.9	+0.1	+1.2	138,834	143,336	132,335	139,588	-0.5	1,309,341	1,346
Durable goods industries	126,497	124,965	124,459	+1.2	+0.4	+1.2	130,925	133,506	122,340	131,632	-0.5	1,214,769	1,263
With unfilled orders	105,859	104,861	104,652	+1.0	+0.2	+1.5	108,664	113,030	102,942	108,982	-0.3	1,024,063	1,052
Stone, clay, and glass products	4,738	4,853	4,884	-2.4	-0.6	-2.4	5,125	5,239	5,158	5,535	-7.4	47,734	53
Primary metals	10,739	10,857	10,754	-1.1	+1.0	+1.3	11,221	11,272	10,854	12,743	-11.9	107,857	122
Blast furnaces, steel mills	4,461	4,480	4,426	-0.4	+1.2	+3.0	4,622	4,561	4,399	5,213	-11.3	43,635	50
Iron and steel foundries	873	871	840	+0.2	+3.7	-3.3	962	922	867	1,049	-8.3	8,772	9
Nonferrous and other primary metals	5,405	5,506	5,488	-1.8	+0.3	+0.8	5,637	5,789	5,588	6,481	-13.0	55,450	62
Fabricated metal products	15,696	15,291	15,401	+2.6	-0.7	+3.4	16,595	16,143	15,404	16,578	+0.1	151,823	158
Industrial machinery and equipment	21,070	20,683	20,526	+1.9	+0.8	+0.1	20,807	22,726	19,147	21,991	-5.4	207,286	218
Engines and turbines	1,512	1,517	1,457	-0.3	+4.1	-6.1	1,425	1,694	1,341	1,214	+17.4	14,177	13
Farm and garden machinery	1,174	1,224	1,074	-4.1	+14.0	-15.6	1,213	1,170	902	1,582	-23.3	12,782	14
Construction, mining and material handling equipment	2,727	3,015	2,854	-9.6	+5.6	+20.3	2,713	2,947	2,666	2,806	-3.3	27,959	27
Metalworking machinery	1,772	1,817	1,812	-2.5	+0.3	+5.3	1,947	1,943	1,702	2,203	-11.6	17,504	20
Computer and office equipment	6,195	5,496	5,769	+12.7	-4.7	-1.3	5,619	7,179	5,198	5,668	-0.9	56,302	57
Electronic and other electrical equipment	17,326	17,343	17,114	-0.1	+1.3	-0.3	17,480	19,094	17,061	17,151	+1.9	169,109	166
Electrical transmission and distribution equipment and industrial apparatus	2,249	2,348	2,302	-4.2	+2.0	+1.5	2,212	2,609	2,225	2,346	-5.7	23,130	24
Household appliances	1,570	1,562	1,564	+0.5	-0.1	+2.8	1,590	1,627	1,585	1,494	+6.4	15,603	15
Electric lighting and wiring equipment	1,308	1,321	1,284	-1.0	+2.9	-1.3	1,346	1,440	1,307	1,282	+5.0	12,873	12
Household audio and video equipment	972	962	932	+1.0	+3.2	+2.3	1,228	1,276	986	1,027	+19.6	8,578	
Communications equipment	4,335	4,247	4,070	+2.1	+4.3	-2.7	3,999	4,693	3,992	3,904	+2.4	40,341	38
Electronic components	5,336	5,243	5,300	+1.8	-1.1	-1.7	5,331	5,546	5,324	5,195	+2.6	52,720	51
Transportation equipment	34,837	33,836	33,198	+3.0	+1.9	+1.5	36,498	35,448	31,889	34,345	+6.3	312,411	315
Motor vehicles and parts	21,119	20,041	19,879	+5.4	+0.8	-0.5	23,395	20,827	19,311	22,197	+5.4	185,368	197
Aircraft, missiles, space vehicles, and parts	11,768	11,790	11,457	-0.2	+2.9	+5.3	11,118	12,588	10,723	10,087	+10.2	108,116	101
Shipbuilding and tanks	1,069	1,023	987	+4.5	+3.6	-1.3	1,053	1,038	981	1,029	+2.3	9,966	
Instruments and related products	10,072	9,964	10,291	+1.1	-3.2	+3.6	10,137	10,599	9,968	10,246	-1.1	98,455	99
Search and navigation equipment	2,936	2,776	3,264	+5.8	-15.0	+16.3	2,919	2,986	3,174	2,987	-2.3	28,312	29
Measuring and controlling devices	2,370	2,328	2,259	+1.8	+3.1	-2.5	2,398	2,471	2,254	2,377	+0.9	23,118	2
Medical instruments and supplies	2,570	2,557	2,462	+0.5	+3.9	-3.9	2,531	2,682	2,428	2,365	+7.0	24,907	2
Photographic goods	1,918	1,972	1,983	-2.7	-0.6	+3.2	1,999	2,120	1,808	2,252	-11.2	19,170	19
All other durable goods	12,019	12,138	12,291	-1.0	-1.2	+0.9	13,062	12,985	12,859	13,043	+0.1	120,094	12
Nondurable goods industries	118,389	117,275	117,435	+0.9	-0.1	+0.2	122,636	124,456	119,713	127,553	-3.9	1,172,601	1,17
With unfilled orders	28,870	28,715	28,740	+0.5	-0.1	0.0	30,170	30,306	29,393	30,606	-1.4	285,278	29
Food and kindred products	33,411	33,246	33,273	+0.5	-0.1	+0.9	34,515	35,140	33,370	34,679	-0.5	331,744	33
Meat products	7,745	7,943	7,859	-2.5	+1.1	+0.1	8,039	8,194	8,065	8,622	-6.8	80,048	8
Dairy products	4,599	4,588	4,550	+0.2	+0.8	+1.8	4,567	4,689	4,619	4,577	-0.2	44,972	4
Beverages	4,552	4,558	4,494	-0.1	+1.4	-0.6	4,434	4,616	4,788	4,311	+2.9	45,398	4
All other foods, except fats and oils	15,005	14,599	14,785	+2.8	-1.3	-0.2	15,965	16,083	14,350	15,688	+1.8	146,808	14
Tobacco products	2,505	2,585	2,547	-3.1	+1.5	-0.4	2,372	2,954	2,456	2,393	-0.9	23,745	2
Textile mill products	5,661	5,634	5,598	+0.5	+0.6	+0.9	6,037	6,186	5,901	5,510	+9.6	53,362	5
Broadwoven fabrics and other textiles	3,431	3,403	3,420	+0.8	-0.5	+1.2	3,599	3,742	3,578	3,256	+10.5	32,125	3
Paper and allied products	10,219	10,317	10,266	-0.9	+0.5	+0.1	10,382	10,563	10,406	10,904	-4.8	102,442	10
Pulp, paper, and paperboard mill products	4,345	4,336	4,326	+0.2	+0.2	-0.7	4,349	4,375	4,350	4,699	-7.4	43,698	4
Paperboard containers and boxes	2,327	2,291	2,309	+1.6	-0.8	-0.7	2,436	2,350	2,388	2,530	-3.7	23,019	2
Miscellaneous converted paper products	3,547	3,690	3,631	-3.9	+1.6	+1.8	3,597	3,838	3,668	3,675	-2.1	35,725	3
Chemicals and allied products	24,363	24,025	24,027	+1.4	0.0	-0.1	24,100	25,047	24,037	24,260	-0.7	242,379	23
Industrial chemicals	12,663	12,619	12,762	+0.3	-1.1	0.0	12,688	12,724	12,688	13,638	-7.0	128,191	13
Drugs, soaps, and toiletries	9,053	8,848	8,679	+2.3	+1.9	+1.1	9,062	9,988	8,895	8,287	+9.4	86,970	8
Petroleum and coal products	13,773	13,348	13,687	+3.2	-2.5	-0.2	14,560	14,406	14,394	19,604	-25.7	140,063	14
Rubber and plastics products	8,067	8,064	7,930	0.0	+1.7	0.0	8,395	8,378	7,997	8,335	+0.7	78,165	7
All other nondurable goods	20,390	20,056	20,107	+1.7	-0.3	-0.3	22,275	21,782	21,152	21,868	+1.9	200,701	19

[p] Preliminary. [r] Revised.

[1] Shipments and new orders are the totals for the period and are adjusted for trading-day and calendar-month variations.

Table 2. VALUE OF MANUFACTURERS' NEW ORDERS FOR INDUSTRY GROUPS
(Millions of dollars)

Industry	Seasonally adjusted						Not seasonally adjusted[1]						
	Monthly			Percent Change			Monthly				Percent change	Year to date	
	Oct. 1991[p]	Sept. 1991[r]	Aug. 1991	Sept.-Oct.	Aug.-Sept.	July-Aug.	Oct. 1991[p]	Sept. 1991[r]	Aug. 1991	Oct. 1990	Oct. 91/90	1991[p]	1990
All manufacturing industries	242,117	237,676	243,160	+1.9	-2.3	-2.0	248,818	253,067	240,835	260,229	-4.4	2,374,805	2,448,032
lanufacturing industries with unfilled orders	131,960	129,012	134,658	+2.3	-4.2	-3.6	134,091	138,441	131,117	140,632	-4.7	1,296,776	1,355,513
urable goods industries	123,747	120,144	125,482	+3.0	-4.3	-4.1	126,890	128,355	120,697	133,369	-4.9	1,200,775	1,272,562
With unfilled orders	103,109	100,040	105,675	+3.1	-5.3	-4.7	104,629	107,879	101,299	110,719	-5.5	1,010,069	1,061,513
tone, clay, and glass products	4,881	4,992	4,928	-2.2	+1.3	-7.2	5,139	5,281	5,298	5,467	-6.0	49,126	53,899
rimary metals	10,651	10,823	11,318	-1.6	-4.4	-1.5	10,535	10,908	10,764	12,452	-15.4	105,671	122,044
Blast furnaces, steel mills	4,627	4,483	4,924	+3.2	-9.0	-3.2	4,454	4,407	4,685	4,965	-10.3	43,359	50,082
Iron and steel foundries	846	815	869	+3.8	-6.2	-2.7	936	830	901	1,071	-12.6	8,488	10,361
Nonferrous and other primary metals	5,178	5,525	5,525	-6.3	0.0	+0.2	5,145	5,671	5,178	6,416	-19.8	53,824	61,601
abricated metal products	15,314	15,193	15,370	+0.8	-1.2	+3.3	15,971	15,860	15,313	15,697	+1.7	150,710	158,243
ndustrial machinery and equipment	20,345	21,038	20,374	-3.3	+3.3	-0.7	20,034	22,862	19,040	21,454	-6.6	204,096	218,051
Engines and turbines	1,548	2,208	1,411	-29.9	+56.5	-26.9	1,554	2,414	1,431	1,418	+9.6	15,358	14,467
Construction, mining and material handling equipment	2,530	3,016	2,830	-16.1	+6.6	+26.8	2,519	2,915	2,562	2,967	-15.1	26,338	27,287
Metalworking machinery	1,499	1,976	1,842	-24.1	+7.3	-0.4	1,733	2,043	1,732	2,116	-18.1	17,209	19,777
Computer and office equipment	5,891	5,273	5,782	+11.7	-8.8	+0.2	5,308	6,862	5,217	5,292	+0.3	56,430	58,228
lectronic and other electrical equipment	17,388	16,830	16,174	+3.3	+4.1	-7.7	17,376	18,226	16,151	17,281	+0.5	167,155	167,287
Electrical transmission and distribution equipment and industrial apparatus	2,320	2,190	2,241	+5.9	-2.3	-10.5	2,268	2,417	2,194	2,558	-11.3	23,148	24,295
Electric lighting and wiring equipment	1,326	1,310	1,263	+1.2	+3.7	-17.6	1,364	1,429	1,286	1,259	+8.3	13,190	12,831
Communications equipment	4,363	4,017	3,426	+8.6	+17.3	-14.8	3,993	4,491	3,402	4,075	-2.0	37,728	38,884
Electronic components	5,165	5,180	5,139	-0.3	+0.8	-4.4	5,043	5,267	5,026	5,098	-1.1	52,453	51,437
ransportation equipment	32,874	29,353	34,404	+12.0	-14.7	-9.2	34,699	32,119	31,802	38,309	-9.4	307,592	331,512
Aircraft, missiles, space vehicles, and parts	10,183	6,993	11,860	+45.6	-41.0	-28.5	9,859	9,072	9,912	14,130	-30.2	103,747	116,131
Shipbuilding and tanks	874	-118	1,645	-840.7	-107.2	+242.0	775	-151	1,662	834	-7.1	9,099	9,094
struments and related products	10,204	9,650	10,626	+5.7	-9.2	-1.7	10,352	10,233	9,637	10,093	+2.6	95,881	95,069
Search and navigation equipment	2,799	2,624	3,732	+6.7	-29.7	+5.7	2,933	2,725	3,037	2,584	+13.5	25,971	25,551
Measuring and controlling devices	2,343	2,185	2,170	+7.2	+0.7	-4.4	2,371	2,328	2,165	2,474	-4.2	22,950	23,986
Medical instruments and supplies	2,834	2,606	2,474	+8.7	+5.3	-8.3	2,795	2,731	2,440	2,584	+8.2	24,843	23,630
ll other durable goods	12,090	12,265	12,288	-1.4	-0.2	-1.0	12,784	12,866	12,692	12,616	+1.3	120,544	126,457
ondurable goods industries	118,370	117,532	117,678	+0.7	-0.1	+0.4	121,928	124,712	120,138	126,860	-3.9	1,174,030	1,175,470
With unfilled orders	28,851	28,972	28,983	-0.4	0.0	+0.6	29,462	30,562	29,818	29,913	-1.5	286,707	294,000

[p] Preliminary. [r] Revised.

[1] Shipments and new orders are the totals for the period and are adjusted for trading-day and calendar-month variations.

Table 3. VALUE OF MANUFACTURERS' UNFILLED ORDERS FOR INDUSTRY GROUPS
(Millions of dollars)

Industry	Seasonally adjusted						Not seasonally adjusted				
	Monthly			Percent Change			Monthly				Percent change
	Oct. 1991[p]	Sept. 1991[r]	Aug. 1991	Sept.-Oct.	Aug.-Sept.	July-Aug.	Oct. 1991[p]	Sept. 1991[r]	Aug. 1991	Oct. 1990	Oct. 91/90
All manufacturing industries	515,772	518,541	523,106	-0.5	-0.9	+0.2	511,507	516,250	521,145	526,870	-2.9
Durable goods industries	494,260	497,010	501,832	-0.6	-1.0	+0.2	490,137	494,172	499,323	506,113	-3.2
Stone, clay, and glass products	6,562	6,419	6,280	+2.2	+2.2	+0.7	6,476	6,462	6,420	5,348	+21.1
Primary metals	21,512	21,600	21,634	-0.4	-0.2	+2.7	20,173	20,859	21,223	23,040	-12.4
Blast furnaces, steel mills	8,702	8,536	8,533	+1.9	0.0	+6.2	7,988	8,156	8,310	9,063	-11.9
Iron and steel foundries	2,756	2,783	2,839	-1.0	-2.0	+1.0	2,734	2,760	2,852	3,128	-12.6
Nonferrous and other primary metals	10,054	10,281	10,262	-2.2	+0.2	+0.4	9,451	9,943	10,061	10,849	-12.9
Fabricated metal products	26,428	26,810	26,908	-1.4	-0.4	-0.1	26,147	26,771	27,054	27,659	-5.5
Industrial machinery and equipment	54,055	54,780	54,425	-1.3	+0.7	-0.3	53,735	54,508	54,372	58,414	-8.0
Engines and turbines	8,941	8,905	8,214	+0.4	+8.4	-0.6	9,079	8,950	8,230	8,148	+11.4
Construction, mining and material handling equipment	6,589	6,786	6,785	-2.9	0.0	-0.4	6,470	6,664	6,696	8,326	-22.3
Metalworking machinery	6,759	7,032	6,873	-3.9	+2.3	+0.4	6,759	6,973	6,873	7,069	-4.4
Computer and office equipment	11,787	12,091	12,314	-2.5	-1.8	+0.1	11,846	12,157	12,474	12,725	-6.9
Electronic and other electrical equipment	47,019	46,957	47,470	+0.1	-1.1	-1.9	46,689	46,793	47,661	48,729	-4.2
Electrical transmission and distribution equipment and industrial apparatus	6,628	6,557	6,715	+1.1	-2.4	-0.9	6,598	6,542	6,734	6,781	-2.7
Electric lighting and wiring equipment	2,384	2,366	2,377	+0.8	-0.5	-0.9	2,384	2,366	2,377	2,083	+14.5
Communications equipment	19,831	19,803	20,033	+0.1	-1.1	-3.1	19,790	19,796	19,998	21,659	-8.6
Electronic components	13,698	13,869	13,932	-1.2	-0.5	-1.1	13,438	13,726	14,005	13,930	-3.5
Transportation equipment	273,570	275,533	280,017	-0.7	-1.6	+0.4	272,689	274,488	277,817	273,700	-0.4
Aircraft, missiles, space vehicles, and parts	238,016	239,601	244,398	-0.7	-2.0	+0.2	237,289	238,548	242,064	237,515	-0.1
Shipbuilding and tanks	25,817	26,012	27,155	-0.7	-4.2	+2.5	25,904	26,182	27,372	26,742	-3.1
Instruments and related products	58,176	58,044	58,358	+0.2	-0.5	+0.6	57,471	57,256	57,622	62,016	-7.3
Search and navigation equipment	41,210	41,347	41,499	-0.3	-0.4	+1.1	40,517	40,503	40,764	44,379	-8.7
Measuring and controlling devices	7,968	7,995	8,138	-0.3	-1.8	-1.1	7,968	7,995	8,138	8,212	-3.0
Medical instruments and supplies	7,997	7,733	7,684	+3.4	+0.6	+0.2	7,997	7,733	7,684	8,346	-4.2
All other durable goods	6,938	6,867	6,740	+1.0	+1.9	0.0	6,757	7,035	7,154	7,207	-6.2
Nondurable goods industries	21,512	21,531	21,274	-0.1	+1.2	+1.2	21,370	22,078	21,822	20,757	+3.0

[p] Preliminary. [r] Revised.

Table 4. VALUE OF MANUFACTURERS' INVENTORIES FOR INDUSTRY GROUPS
(Millions of dollars)

Industry	Seasonally adjusted						Not seasonally adjusted				
	Monthly			Percent Change			Monthly				Percent change
	Oct. 1991[p]	Sept. 1991[r]	Aug. 1991	Sept.-Oct.	Aug.-Sept.	July-Aug.	Oct. 1991[p]	Sept. 1991[r]	Aug. 1991	Oct. 1990	Oct. 91/90
All manufacturing industries	378,880	378,837	377,388	0.0	+0.4	-0.2	379,003	377,445	378,749	391,165	-3.1
nufacturing industries with filled orders	258,960	258,928	258,511	0.0	+0.2	-0.4	258,542	258,092	260,396	269,100	-3.9
rable goods industries	243,760	244,310	243,616	-0.2	+0.3	-0.3	243,662	243,223	244,736	254,748	-4.4
Vith unfilled orders	225,651	226,024	225,599	-0.2	+0.2	-0.4	225,727	225,268	226,967	235,642	-4.2
one, clay, and glass products	7,913	7,905	7,988	+0.1	-1.0	+0.3	7,708	7,702	7,918	7,811	-1.3
mary metals	21,809	21,947	22,065	-0.6	-0.5	-0.7	21,754	21,997	22,058	23,478	-7.3
Blast furnaces, steel mills	10,597	10,724	10,774	-1.2	-0.5	-0.7	10,629	10,814	10,796	11,369	-6.5
ron and steel foundries	1,469	1,462	1,449	+0.5	+0.9	-0.3	1,421	1,425	1,424	1,390	+2.2
Nonferrous and other primary metals	9,743	9,761	9,842	-0.2	-0.8	-0.7	9,704	9,758	9,838	10,719	-9.5
bricated metal products	22,940	23,001	23,101	-0.3	-0.4	-0.3	22,744	22,776	22,989	24,699	-7.9
lustrial machinery and equipment	46,466	46,580	46,735	-0.2	-0.3	-0.5	46,488	46,377	47,029	48,360	-3.9
Engines and turbines	3,666	3,663	3,684	+0.1	-0.6	0.0	3,873	3,754	3,859	3,806	+1.8
Farm and garden machinery	2,343	2,321	2,332	+0.9	-0.5	+0.4	2,254	2,261	2,261	2,494	-9.6
Construction, mining and material handling equipment	6,633	6,711	6,779	-1.2	-1.0	-1.1	6,553	6,628	6,733	6,571	-0.3
Metalworking machinery	4,885	4,891	4,936	-0.1	-0.9	+0.1	4,900	4,921	5,014	5,184	-5.5
Computer and office equipment	10,500	10,571	10,489	-0.7	+0.8	-1.2	10,595	10,585	10,731	11,618	-8.8
ctronic and other lectrical equipment	28,857	29,035	29,159	-0.6	-0.4	-0.7	28,763	28,881	29,345	30,459	-5.6
Electrical transmission and distribution equipment and industrial apparatus	4,128	4,190	4,218	-1.5	-0.7	-0.5	4,121	4,167	4,205	4,573	-9.9
Household appliances	2,193	2,312	2,234	-5.1	+3.5	-1.8	2,118	2,220	2,172	2,594	-18.4
Electric lighting and wiring equipment	3,214	3,222	3,254	-0.2	-1.0	-0.5	3,233	3,213	3,270	3,386	-4.5
Household audio and video equipment	1,133	1,083	1,054	+4.6	+2.8	+5.2	1,124	1,116	1,120	1,181	-4.8
Communications equipment	5,502	5,479	5,577	+0.4	-1.8	-2.6	5,559	5,498	5,644	5,827	-4.6
Electronic components	9,006	9,064	9,145	-0.6	-0.9	-0.8	8,997	9,064	9,247	9,271	-3.0
nsportation equipment	72,542	72,458	71,466	+0.1	+1.4	-0.2	73,080	72,335	71,937	73,961	-1.2
Motor vehicles and parts	12,766	12,694	12,564	+0.6	+1.0	+0.6	12,778	12,681	12,601	12,388	+3.1
Aircraft, missiles, space vehicles, and parts	55,887	55,817	54,963	+0.1	+1.6	-0.3	56,427	55,612	55,341	57,309	-1.5
Shipbuilding and tanks	1,878	1,956	1,987	-4.0	-1.6	-2.3	1,898	2,058	2,020	2,110	-10.0
truments and related products	23,533	23,606	23,603	-0.3	0.0	-0.1	23,528	23,460	23,884	25,047	-6.1
Search and navigation equipment	8,606	8,680	8,728	-0.9	-0.5	+0.3	8,606	8,611	8,908	9,701	-11.3
Measuring and controlling devices	6,030	6,093	6,127	-1.0	-0.6	-0.7	6,048	6,086	6,166	6,572	-8.0
Medical instruments and supplies	5,619	5,530	5,448	+1.6	+1.5	+0.3	5,563	5,437	5,441	5,348	+4.0
Photographic goods	2,709	2,732	2,714	-0.8	+0.7	-1.2	2,747	2,760	2,775	2,778	-1.1
other durable goods	19,700	19,778	19,499	-0.4	+1.4	0.0	19,597	19,695	19,576	20,933	-6.4
ndurable goods industries	135,120	134,527	133,772	+0.4	+0.6	+0.2	135,341	134,222	134,013	136,417	-0.8
Vith unfilled orders	33,309	32,904	32,912	+1.2	0.0	-0.6	32,815	32,824	33,429	33,458	-1.9
od and kindred products	28,814	28,494	27,962	+1.1	+1.9	+0.4	30,147	29,075	28,145	29,458	+2.3
Meat products	3,081	3,024	3,014	+1.9	+0.3	+0.9	3,056	2,956	2,935	2,988	+2.3
Dairy products	2,477	2,440	2,421	+1.5	+0.8	+3.4	2,452	2,423	2,477	2,566	-4.4
Beverages	4,819	4,801	4,749	+0.4	+1.1	+0.1	4,838	4,798	4,631	4,690	+3.2
All other foods, except fats and oils	16,790	16,568	16,236	+1.3	+2.0	+0.2	18,133	17,469	16,781	17,494	+3.7
bacco products	5,900	5,892	5,950	+0.1	-1.0	-0.6	5,953	5,744	5,720	5,428	+9.7
xtile mill products	8,707	8,744	8,579	-0.4	+1.9	+0.2	8,534	8,628	8,670	8,869	-3.8
Broadwoven fabrics and other textiles	5,023	4,996	5,022	+0.5	-0.5	-0.3	4,907	4,890	5,044	5,218	-6.0
ber and allied products	13,320	13,153	13,098	+1.3	+0.4	-1.1	12,998	12,938	13,006	12,943	+0.4
Pulp, paper, and paperboard mill products	5,591	5,562	5,521	+0.5	+0.7	-0.3	5,429	5,443	5,456	5,198	+4.4
Paperboard containers and boxes	3,145	3,119	3,106	+0.8	+0.4	-0.4	3,095	3,128	3,106	3,119	-0.8
Miscellaneous converted paper products	4,584	4,472	4,471	+2.5	0.0	-2.6	4,474	4,367	4,444	4,626	-3.3
emicals and allied products	32,596	32,522	32,476	+0.2	+0.1	+0.8	32,253	31,957	32,307	31,548	+2.2
ndustrial chemicals	16,305	16,297	16,343	0.0	-0.3	+0.1	16,077	16,069	16,229	16,022	+0.3
Drugs, soaps, and toiletries	11,559	11,514	11,393	+0.4	+1.1	+1.4	11,571	11,355	11,565	10,862	+6.5
troleum and coal products	11,389	11,778	11,688	-3.3	+0.8	+0.6	11,642	11,854	11,582	13,583	-14.3
bber and plastics products	11,251	11,253	11,359	0.0	-0.9	-0.4	11,071	11,105	11,231	11,704	-5.4
other nondurable goods	23,143	22,691	22,660	+2.0	+0.1	+0.1	22,743	22,921	23,352	22,884	-0.6

[p] Preliminary. [r] Revised.

Table 5. VALUE OF MANUFACTURERS' SHIPMENTS AND NEW ORDERS FOR TOPICAL SERIES[1]
(Millions of dollars)

Industry	Seasonally adjusted						Not seasonally adjusted [2]						
	Monthly			Percent Change			Monthly				Percent change	Year to date	
	Oct. 1991[p]	Sept. 1991[r]	Aug. 1991	Sept.-Oct.	Aug.-Sept.	July-Aug.	Oct. 1991[p]	Sept. 1991[r]	Aug. 1991	Oct. 1990	Oct. 91/90	1991[p]	19
SHIPMENTS													
All manufacturing industries	244,886	242,240	241,894	+1.1	+0.1	+0.7	253,561	257,962	242,053	259,185	-2.2	2,387,370	2,438,
Market categories :													
Automotive equipment	9,399	8,987	8,854	+4.6	+1.5	+0.8	10,413	9,288	8,474	10,221	+1.9	82,397	90,
Home goods and apparel	15,426	15,255	15,129	+1.1	+0.8	+0.4	17,389	17,131	16,281	16,018	+8.6	148,386	143,
Consumer staples	56,398	55,842	55,830	+1.0	0.0	+0.4	57,839	59,916	56,447	60,618	-4.6	558,302	554,
Machinery and equipment	40,809	39,871	39,217	+2.4	+1.7	+0.5	40,656	42,908	37,020	40,638	0.0	386,480	392,
Business supplies	19,348	19,148	19,410	+1.0	-1.3	+0.3	20,365	20,126	19,498	21,853	-6.8	194,075	197,
Construction materials and supplies	13,649	13,655	13,685	0.0	-0.2	-0.4	14,617	14,665	14,398	14,815	-1.3	135,183	145,
Defense products	8,951	9,151	9,218	-2.2	-0.7	+10.6	8,735	9,589	9,074	8,735	0.0	84,740	86,
Other materials, supplies and and intermediate products	80,906	80,331	80,551	+0.7	-0.3	+0.4	83,547	84,339	80,861	86,287	-3.2	797,807	828,
Durable goods industries :													
Nondefense capital goods [3]	33,322	32,547	32,260	+2.4	+0.9	+1.7	32,091	35,907	30,366	31,424	+2.1	318,133	316,
Excluding aircraft and parts	26,556	26,107	25,725	+1.7	+1.5	+0.7	25,826	28,918	24,473	26,282	-1.7	256,730	262,
Defense capital goods [4]	8,885	9,030	9,140	-1.6	-1.2	+10.8	8,644	9,477	8,924	8,726	-0.9	83,600	86,
Durables excluding capital goods	84,290	83,388	83,059	+1.1	+0.4	+0.1	90,190	88,122	83,050	91,482	-1.4	813,036	861,
Miscellaneous series :													
Producers' durable equipment	81,827	79,580	78,989	+2.8	+0.7	+0.4	84,966	85,334	76,345	83,907	+1.3	771,657	794,
Household durable goods	6,890	6,836	6,786	+0.8	+0.7	+1.6	7,676	7,745	6,959	7,171	+7.0	65,864	64,
Information technology industries	15,003	14,244	14,265	+5.3	-0.1	-1.3	14,233	16,666	13,465	14,459	-1.6	141,014	141,
Health care equipment and products	7,479	7,356	7,169	+1.7	+2.6	-0.7	7,449	8,090	7,252	6,871	+8.4	72,055	67,
NEW ORDERS													
All manufacturing industries	242,117	237,676	243,160	+1.9	-2.3	-2.0	248,818	253,067	240,835	260,229	-4.4	2,374,805	2,448,
Market categories :													
Automotive equipment	9,375	9,308	8,902	+0.7	+4.6	+1.3	10,386	9,580	8,509	10,187	+2.0	82,723	90,
Home goods and apparel	15,606	15,554	15,409	+0.3	+0.9	+2.5	16,891	17,222	16,485	15,260	+10.7	149,813	144,
Consumer staples	56,440	55,835	55,815	+1.1	0.0	+0.2	57,851	59,906	56,470	60,570	-4.5	558,362	554,
Machinery and equipment	39,398	38,103	37,554	+3.4	+1.5	-11.1	39,047	40,883	35,337	45,620	-14.4	377,588	410,
Business supplies	19,202	19,170	19,348	+0.2	-0.9	0.0	20,081	20,151	19,537	21,681	-7.4	193,862	197,
Construction materials and supplies	13,577	13,721	13,716	-1.0	0.0	-4.3	14,365	14,629	14,352	14,561	-1.3	135,858	145,
Defense products	8,985	5,744	10,966	+56.4	-47.6	+16.8	9,090	7,447	9,024	7,436	+22.2	78,275	76,
Other materials, supplies and and intermediate products	79,534	80,241	81,450	-0.9	-1.5	-2.2	81,107	83,249	81,121	84,914	-4.5	798,324	828,
Durable goods industries :													
Nondefense capital goods [3]	31,103	30,129	30,993	+3.2	-2.8	-15.5	29,744	33,201	29,310	35,893	-17.1	311,040	335,
Excluding aircraft and parts	25,667	26,162	24,890	-1.9	+5.1	-2.0	24,809	28,685	23,849	26,411	-6.1	250,096	261,
Defense capital goods [4]	8,577	5,517	10,804	+55.5	-48.9	+15.1	8,779	7,163	8,705	7,652	+14.7	76,871	75,
Durables excluding capital goods	84,067	84,498	83,685	-0.5	+1.0	-1.3	88,367	87,991	82,682	89,824	-1.6	812,864	861,
Miscellaneous series :													
Producers' durable equipment	80,682	79,307	77,139	+1.7	+2.8	-2.7	83,013	84,217	74,396	88,559	-6.3	760,512	810,
Household durable goods	7,036	6,966	6,961	+1.0	+0.1	+3.0	7,332	7,593	7,084	6,550	+11.9	66,698	65,
Information technology industries	14,477	13,703	13,719	+5.6	-0.1	-4.0	13,667	16,068	12,976	14,387	-5.0	138,564	141,
Health care equipment and products	7,744	7,405	7,180	+4.6	+3.1	-2.4	7,715	8,138	7,263	7,090	+8.8	71,990	67,

[p] Preliminary. [r] Revised.

[1] Topical series are regroupings of the separate industry categories.

[2] Shipments and new orders are the totals for the period and are adjusted for trading-day and calendar-month variations.

[3] Nondefense capital goods industries include : ordnance and accessories; steam, gas and hydraulic turbines; internal combustion engines; construction, mining, and material handling equipme metalworking machinery; special industry machinery; general industrial machinery; computer and office equipment; refrigeration, heating and service industry machinery; electrical transmission e distribution equipment; electrical industrial apparatus; communications equipment; aircraft, missiles, space vehicles, and engines and parts; ships and tank components; railroad equipment; and sea and navigation equipment.

[4] Defense capital goods industries include : ordnance and accessories; communications equipment; aircraft, missiles, space vehicles, and engines and parts; ships, tanks and tank components; e search and navigation equipment.

Table 6. VALUE OF MANUFACTURERS' UNFILLED ORDERS AND TOTAL INVENTORIES FOR TOPICAL SERIES[1]
(Millions of dollars)

Industry	Seasonally adjusted						Not seasonally adjusted				
	Monthly			Percent Change			Monthly				Percent change Oct. 91/90
	Oct. 1991[p]	Sept. 1991[r]	Aug. 1991	Sept.-Oct.	Aug.-Sept.	July-Aug.	Oct. 1991[p]	Sept. 1991[r]	Aug. 1991	Oct. 1990	
UNFILLED ORDERS											
All manufacturing industries	515,772	518,541	523,106	-0.5	-0.9	+0.2	511,507	516,250	521,145	526,870	-2.9
Market categories :											
Automotive equipment	2,198	2,222	1,900	-1.1	+16.9	+2.6	2,162	2,189	1,897	1,923	+12.4
Home goods and apparel	8,809	8,629	8,331	+2.1	+3.6	+3.5	8,422	8,919	8,829	7,884	+6.8
Consumer staples	1,392	1,350	1,357	+3.1	-0.5	-1.0	1,382	1,370	1,380	1,307	+5.7
Machinery and equipment	219,725	221,136	222,903	-0.6	-0.8	-0.7	219,436	221,045	223,071	223,732	-1.9
Business supplies	5,664	5,810	5,788	-2.5	+0.4	-1.1	5,665	5,949	5,924	6,096	-7.1
Construction materials and supplies	13,343	13,415	13,350	-0.5	+0.5	+0.2	13,080	13,332	13,368	12,720	+2.8
Defense products	138,750	138,715	142,123	0.0	-2.4	+1.2	137,214	136,859	139,001	145,801	-5.9
Other materials, supplies and and intermediate products	125,891	127,264	127,354	-1.1	-0.1	+0.7	124,146	126,587	127,675	127,407	-2.6
Durable goods industries :											
Nondefense capital goods [a]	243,033	245,252	247,670	-0.9	-1.0	-0.5	242,751	245,098	247,804	245,422	-1.1
Excluding aircraft and parts	81,014	81,903	81,848	-1.1	+0.1	-1.0	80,732	81,749	81,982	88,909	-9.2
Defense capital goods [4]	147,508	147,816	151,330	-0.2	-2.3	+1.1	146,047	145,912	148,226	155,652	-6.2
Durables excluding capital goods	103,719	103,942	102,832	-0.2	+1.1	+0.6	101,339	103,162	103,293	105,039	-3.5
Miscellaneous series :											
Producers' durable equipment	245,204	246,349	246,622	-0.5	-0.1	-0.7	244,295	246,248	247,365	252,445	-3.2
Household durable goods	5,309	5,163	5,033	+2.8	+2.6	+3.6	4,932	5,276	5,428	4,757	+3.7
Information technology industries	39,777	40,303	40,844	-1.3	-1.3	-1.3	39,828	40,394	40,992	43,131	-7.7
Health care equipment and products	8,024	7,759	7,710	+3.4	+0.6	+0.1	8,025	7,760	7,711	8,378	-4.2
TOTAL INVENTORIES											
All manufacturing industries	378,880	378,837	377,388	0.0	+0.4	-0.2	379,003	377,445	378,749	391,165	-3.1
Market categories :											
Automotive equipment	6,380	6,369	6,274	+0.2	+1.5	+1.0	6,326	6,312	6,267	6,462	-2.1
Home goods and apparel	26,146	25,925	25,395	+0.9	+2.1	+0.6	25,490	25,795	25,712	26,424	-3.5
Consumer staples	55,291	55,100	54,594	+0.3	+0.9	+0.4	56,647	55,483	54,836	56,050	+1.1
Machinery and equipment	86,206	86,679	86,662	-0.5	0.0	+0.1	86,289	86,015	86,988	87,572	-1.5
Business supplies	21,537	21,423	21,450	+0.5	-0.1	0.0	21,546	21,559	21,729	22,616	-4.7
Construction materials and supplies	22,893	23,011	23,040	-0.5	-0.1	-0.1	22,686	22,712	22,971	23,805	-4.7
Defense products	34,322	34,322	33,955	0.0	+1.1	-1.4	34,689	34,442	34,339	38,031	-8.8
Other materials, supplies and and intermediate products	126,105	126,008	126,018	+0.1	0.0	-0.5	125,330	125,127	125,907	130,205	-3.7
Durable goods industries :											
Nondefense capital goods [3]	82,091	82,727	82,985	-0.8	-0.3	+0.1	82,320	82,189	83,467	84,112	-2.1
Excluding aircraft and parts	53,914	54,243	54,533	-0.6	-0.5	-0.8	54,044	54,116	55,021	57,246	-5.6
Defense capital goods [4]	37,049	36,721	35,992	+0.9	+2.0	-1.9	37,519	36,928	36,491	40,652	-7.7
Durables excluding capital goods	124,620	124,862	124,639	-0.2	+0.2	-0.2	123,823	124,106	124,778	129,984	-4.7
Miscellaneous series :											
Producers' durable equipment	138,683	139,213	138,825	-0.4	+0.3	0.0	138,462	138,220	139,245	143,055	-3.2
Household durable goods	12,179	12,163	11,961	+0.1	+1.7	+0.3	11,987	12,098	12,104	12,997	-7.8
Information technology industries	26,478	26,661	26,713	-0.7	-0.2	-1.5	26,708	26,657	27,171	29,204	-8.5
Health care equipment and products	11,914	11,799	11,653	+1.0	+1.3	+0.9	11,864	11,620	11,736	11,277	+5.2

See footnotes at end of table 5.

Table 7. VALUE OF MANUFACTURERS' INVENTORIES, BY STAGE OF FABRICATION, BY INDUSTRY GROUP
(Millions of dollars)

Industry	Seasonally adjusted						Not seasonally adjusted				
	Monthly			Percent Change			Monthly				Percent change
	Oct. 1991[p]	Sept. 1991[r]	Aug. 1991	Sept.-Oct.	Aug.-Sept.	July-Aug.	Oct. 1991[p]	Sept. 1991[r]	Aug. 1991	Oct. 1990	Oct. 91/90
MATERIALS AND SUPPLIES											
All manufacturing industries	116,493	116,311	116,188	+0.2	+0.1	-0.1	116,451	115,819	116,241	120,497	-3.4
Durable goods industries	66,946	67,027	66,951	-0.1	+0.1	0.0	67,113	67,142	67,475	70,938	-5.4
Stone, clay, and glass products	2,497	2,490	2,501	+0.3	-0.4	0.0	2,480	2,463	2,504	2,554	-2.9
Primary metals	6,985	6,896	6,818	+1.3	+1.1	-0.3	7,111	7,038	6,912	7,617	-6.6
Fabricated metal products	7,993	7,966	7,971	+0.3	-0.1	0.0	7,930	7,949	8,023	8,749	-9.4
Industrial machinery and equipment	12,311	12,472	12,630	-1.3	-1.3	-0.5	12,359	12,494	12,733	13,256	-6.8
Electronic and other electrical equipment	8,702	8,840	8,991	-1.6	-1.7	+1.7	8,699	8,817	9,015	9,672	-10.1
Transportation equipment	14,450	14,275	14,093	+1.2	+1.3	-1.5	14,407	14,218	14,260	14,341	+0.5
Instruments and related products	5,823	5,800	5,741	+0.4	+1.0	+0.4	5,762	5,786	5,810	5,936	-2.9
Lumber, furniture and miscellaneous durable goods	8,185	8,288	8,206	-1.2	+1.0	+1.6	8,365	8,377	8,218	8,813	-5.1
Nondurable goods industries	49,547	49,284	49,237	+0.5	+0.1	-0.3	49,338	48,677	48,766	49,559	-0.4
Food and kindred products	9,544	9,599	9,500	-0.6	+1.0	-1.6	9,721	9,231	9,163	9,681	+0.4
Tobacco products	4,390	4,410	4,470	-0.5	-1.3	+0.2	4,284	4,296	4,215	3,936	+8.8
Textile mill products	2,438	2,400	2,374	+1.6	+1.1	+0.2	2,354	2,347	2,394	2,385	-1.3
Paper and allied products	7,052	6,892	6,842	+2.3	+0.7	-1.3	6,949	6,883	6,791	6,873	+1.1
Chemicals and allied products	11,030	10,960	11,119	+0.6	-1.4	+0.8	11,008	10,875	11,146	10,920	+0.8
Petroleum and coal products	3,318	3,357	3,371	-1.2	-0.4	-1.2	3,334	3,301	3,323	3,649	-8.6
Rubber and plastics products	4,041	4,024	4,033	+0.4	-0.2	-0.7	4,065	4,036	3,991	4,392	-7.4
Apparel, printing and publishing and leather goods	7,734	7,642	7,528	+1.2	+1.5	+0.5	7,623	7,708	7,743	7,723	-1.3
WORK IN PROCESS											
All manufacturing industries	139,067	139,548	138,647	-0.3	+0.6	-0.7	140,045	139,844	139,637	145,694	-3.9
Durable goods industries	116,285	116,762	116,308	-0.4	+0.4	-0.9	116,851	117,010	117,218	122,255	-4.4
Stone, clay, and glass products	1,055	1,054	1,070	+0.1	-1.5	+0.5	1,010	1,025	1,058	979	+3.2
Primary metals	8,608	8,837	8,991	-2.6	-1.7	-1.5	8,557	8,842	8,998	9,244	-7.4
Fabricated metal products	7,816	7,959	8,012	-1.8	-0.7	-1.3	7,825	7,950	7,951	8,393	-6.8
Industrial machinery and equipment	21,304	21,057	21,166	+1.2	-0.5	-1.5	21,472	21,240	21,317	21,877	-1.9
Electronic and other electrical equipment	11,892	11,904	11,936	-0.1	-0.3	-1.4	11,911	11,969	12,076	12,202	-2.4
Transportation equipment	48,708	48,970	48,080	-0.5	+1.9	-0.4	49,195	49,116	48,506	51,277	-4.1
Instruments and related products	12,456	12,551	12,675	-0.8	-1.0	0.0	12,525	12,495	12,892	13,732	-8.8
Lumber, furniture and miscellaneous durable goods	4,446	4,430	4,378	+0.4	+1.2	-2.4	4,356	4,373	4,420	4,551	-4.3
Nondurable goods industries	22,782	22,786	22,339	0.0	+2.0	+0.5	23,194	22,834	22,419	23,439	-1.0
Food and kindred products	3,433	3,497	3,356	-1.8	+4.2	+0.7	3,678	3,485	3,190	3,761	-2.2
Tobacco products	180	177	178	+1.7	-0.6	+9.9	268	203	152	258	+3.9
Textile mill products	2,527	2,555	2,513	-1.1	+1.7	+1.1	2,515	2,554	2,521	2,540	-1.0
Paper and allied products	1,224	1,246	1,265	-1.8	-1.5	-0.6	1,200	1,227	1,287	1,351	-11.2
Chemicals and allied products	5,520	5,373	5,290	+2.7	+1.6	+1.3	5,536	5,342	5,361	5,058	+9.5
Petroleum and coal products	2,775	2,977	2,762	-6.8	+7.8	-0.1	2,877	2,984	2,767	3,268	-12.0
Rubber and plastics products	1,613	1,556	1,548	+3.7	+0.5	+1.5	1,618	1,565	1,564	1,708	-5.3
Apparel, printing and publishing and leather goods	5,510	5,405	5,427	+1.9	-0.4	-0.6	5,502	5,474	5,577	5,495	+0.1
FINISHED GOODS											
All manufacturing industries	123,320	122,978	122,553	+0.3	+0.3	+0.4	122,507	121,782	122,871	124,974	-2.0
Durable goods industries	60,529	60,521	60,357	0.0	+0.3	+0.3	59,698	59,071	60,043	61,555	-3.0
Stone, clay, and glass products	4,361	4,361	4,417	0.0	-1.3	+0.3	4,218	4,214	4,356	4,278	-1.4
Primary metals	6,216	6,214	6,256	0.0	-0.7	+0.1	6,086	6,117	6,148	6,617	-8.0
Fabricated metal products	7,131	7,076	7,118	+0.8	-0.6	+0.6	6,989	6,877	7,015	7,557	-7.5
Industrial machinery and equipment	12,851	13,051	12,939	-1.5	+0.9	+1.0	12,657	12,643	12,979	13,227	-4.3
Electronic and other electrical equipment	8,263	8,291	8,232	-0.3	+0.7	-2.3	8,153	8,095	8,254	8,585	-5.0
Transportation equipment	9,384	9,213	9,293	+1.9	-0.9	+3.0	9,478	9,001	9,171	8,343	+13.6
Instruments and related products	5,254	5,255	5,187	0.0	+1.3	-1.0	5,241	5,179	5,182	5,379	-2.6
Lumber, furniture and miscellaneous durable goods	7,069	7,060	6,915	+0.1	+2.1	-0.4	6,876	6,945	6,938	7,569	-9.2
Nondurable goods industries	62,791	62,457	62,196	+0.5	+0.4	+0.5	62,809	62,711	62,828	63,419	-1.0
Food and kindred products	15,837	15,398	15,106	+2.9	+1.9	+1.5	16,748	16,359	15,792	16,016	+4.6
Tobacco products	1,330	1,305	1,302	+1.9	+0.2	-4.5	1,401	1,245	1,353	1,234	+13.5
Textile mill products	3,742	3,789	3,692	-1.2	+2.6	-0.4	3,665	3,727	3,755	3,944	-7.1
Paper and allied products	5,044	5,015	4,991	+0.6	+0.5	-1.1	4,849	4,828	4,928	4,719	+2.8
Chemicals and allied products	16,046	16,189	16,067	-0.9	+0.8	+0.6	15,709	15,740	15,800	15,570	+0.9
Petroleum and coal products	5,296	5,444	5,555	-2.7	-2.0	+2.2	5,431	5,569	5,492	6,666	-18.5
Rubber and plastics products	5,597	5,673	5,778	-1.3	-1.8	-0.7	5,388	5,504	5,676	5,604	-3.9
Apparel, printing and publishing and leather goods	9,899	9,644	9,705	+2.6	-0.6	+0.3	9,618	9,739	10,032	9,666	-0.5

[p] Prelimary. [r] Revised.

Table 8. RATIOS OF MANUFACTURES' INVENTORIES TO SHIPMENTS AND UNFILLED ORDERS TO SHIPMENTS, BY INDUSTRY GROUP
(Based on seasonally adjusted data)

Industry	Inventory / Shipments ratio				Unfilled Orders / Shipments ratio[1]			
	Oct. 1991[p]	Sept. 1991[r]	Aug. 1991	July 1991	Oct. 1991[p]	Sept. 1991[r]	Aug. 1991	July 1991
All manufacturing industries	1.55	1.56	1.56	1.57	3.83	3.88	3.92	3.96
rable goods industries	1.93	1.96	1.96	1.99	4.67	4.74	4.80	4.86
one, clay, and glass products	1.67	1.63	1.64	1.59	1.53	1.46	1.42	1.37
rimary metals	2.03	2.02	2.05	2.09	2.00	1.99	2.01	1.99
abricated metal products	1.46	1.50	1.50	1.56	1.83	1.91	1.91	1.99
ndustrial machinery and equipment	2.21	2.25	2.28	2.29	2.72	2.82	2.80	2.84
lectronic and other electrical equipment	1.67	1.67	1.70	1.71	2.71	2.71	2.77	2.82
ransportation equipment	2.08	2.14	2.15	2.19	11.93	12.16	12.57	12.76
nstruments and related products	2.34	2.37	2.29	2.38	5.78	5.83	5.67	5.84
ndurable goods industries	1.14	1.15	1.14	1.14	0.75	0.75	0.74	0.73
ood and kindred products	0.86	0.86	0.84	0.84	(X)	(X)	(X)	(X)
obacco products	2.36	2.28	2.34	2.34	(X)	(X)	(X)	(X)
extile mill products	1.54	1.55	1.53	1.54	(NA)	(NA)	(NA)	(NA)
aper and allied products	1.30	1.27	1.28	1.29	(NA)	(NA)	(NA)	(NA)
hemicals and allied products	1.34	1.35	1.35	1.34	(X)	(X)	(X)	(X)
etroleum and coal products	0.83	0.88	0.85	0.85	(X)	(X)	(X)	(X)
ubber and plastics products	1.39	1.40	1.43	1.44	(X)	(X)	(X)	(X)

[p] Preliminary. [r] Revised. (X) Not applicable. (NA) Not available.

[1] Excludes the following industries with no unfilled orders : Wood and lumbar products; glass containers; metal cans, barrels and drums; farm and garden machinery; motor vehicle assembly erations; other transportation equipment; foods and related products; tobacco; knitting mill products; apparel and related products; chemicals; petroleum and coal products; and rubber and plastics oducts.

Table 9. AVERAGE REVISIONS TO PREVIOUSLY PUBLISHED MONTHLY PERCENT CHANGES
(Based on seasonally adjusted data)

Industry	Shipments			New orders			Unfilled orders			Inventories		
	Oct. 1990	Oct.[1] 1986-1990	Oct. 1990-Sept. 1991	Oct. 1990	Oct.[1] 1986-1990	Oct. 1990-Sept. 1991	Oct. 1990	Oct.[1] 1986-1990	Oct. 1990-Sept. 1991	Oct. 1990	Oct.[1] 1986-1990	Oct. 1990-Sept. 1991
All manufacturing industries	0.1	0.2	0.2	0.1	0.2	0.2	0.0	0.0	0.1	0.0	0.1	0.1
rable goods industries	0.3	0.2	0.3	0.3	0.4	0.3	0.1	0.1	0.1	0.0	0.0	0.1
tone, clay, and glass products	0.2	0.5	0.8	0.1	0.8	1.1	0.1	0.5	0.4	0.2	0.1	0.3
rimary metals	0.6	0.6	0.5	0.5	0.5	0.9	0.0	0.1	0.2	0.1	0.2	0.1
abricated metal products	0.3	0.4	0.5	0.7	0.8	0.6	0.2	0.1	0.2	0.1	0.2	0.4
ndustrial machinery and equipment	0.2	0.5	0.5	0.1	0.9	0.7	0.0	0.2	0.1	0.0	0.1	0.1
lectronic and other electrical equipment	0.0	0.2	0.3	0.3	0.3	1.3	0.1	0.0	0.4	0.0	0.1	0.1
ransportation equipment	0.7	0.2	0.5	0.6	0.4	0.5	0.0	0.1	0.0	0.1	0.0	0.3
nstruments and related products	0.2	0.7	0.5	0.5	0.5	1.9	0.1	0.2	0.1	0.8	0.4	0.1
ndurable goods industries	0.2	0.2	0.2	0.1	0.2	0.2	0.4	0.4	0.2	0.0	0.1	0.1
ood and kindred products	0.3	0.3	0.2	(X)	(X)	(X)	(X)	(X)	(X)	0.5	0.4	0.2
obacco products	0.6	0.2	0.8	(X)	(X)	(X)	(X)	(X)	(X)	0.0	0.0	0.0
extile mill products	0.4	1.0	0.6	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	0.1	0.6	0.1
aper and allied products	0.1	0.3	0.3	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	0.1	0.1	0.3
hemicals and allied products	0.0	0.3	0.3	(X)	(X)	(X)	(X)	(X)	(X)	0.1	0.1	0.1
etroleum and coal products	0.1	0.2	0.6	(X)	(X)	(X)	(X)	(X)	(X)	0.0	0.2	0.1
ubber and plastics products	0.6	0.8	0.7	(X)	(X)	(X)	(X)	(X)	(X)	0.0	0.1	0.1
pital goods industries :												
ondefense	0.1	0.4	0.4	0.0	0.8	0.7	0.0	0.1	0.0	0.1	0.1	0.3
efense	0.3	0.3	0.8	1.3	0.8	3.3	0.0	0.1	0.1	0.1	0.2	0.1

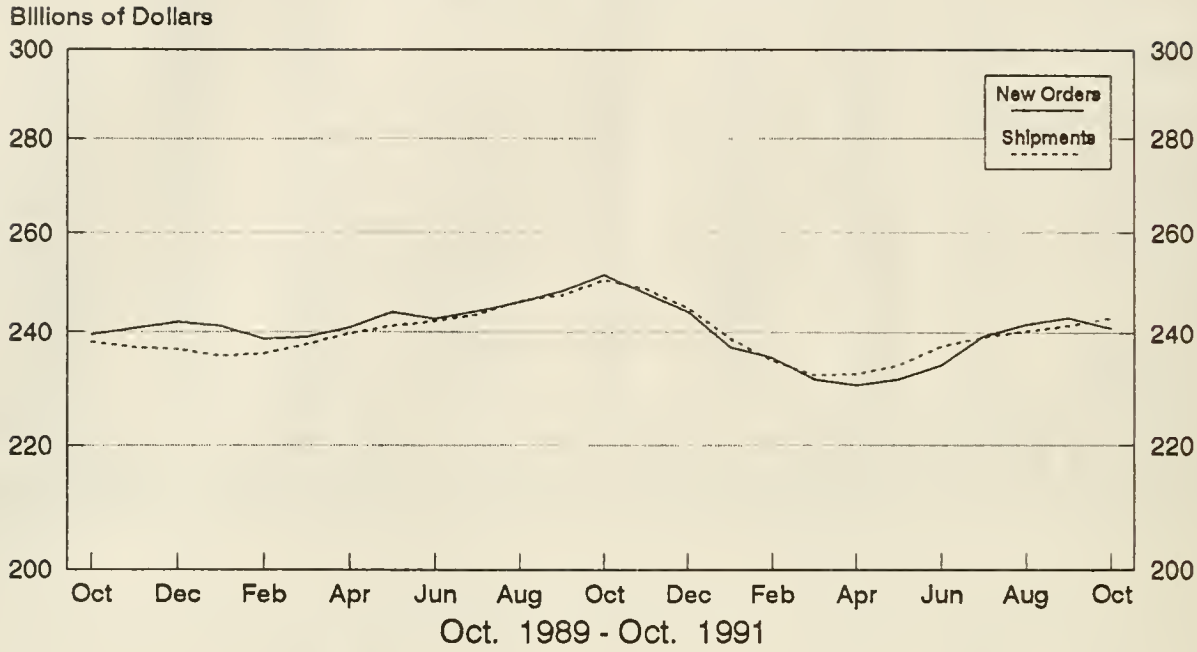
(X) Not applicable. (NA) Not available.

Note : The revisions are the differences betwaen the month-to-month percent changes of the preliminary and final estimates. The monthly averages are the simple averagas of the absolute values the differences for the months specified. The advance to final percent change revisions for the durable goods industries are shown in the advance report for the month.

[1] Average for this month for the last five years.

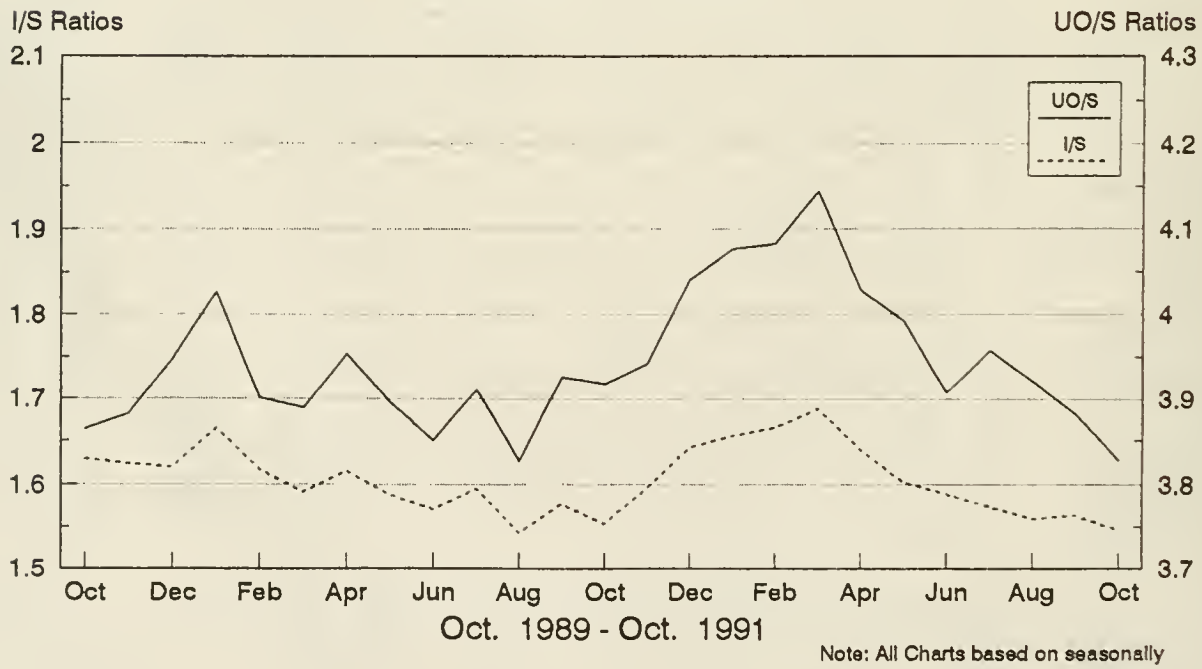
Total Manufacturing

New Orders and Shipments
Three Month Moving Averages



Total Manufacturing

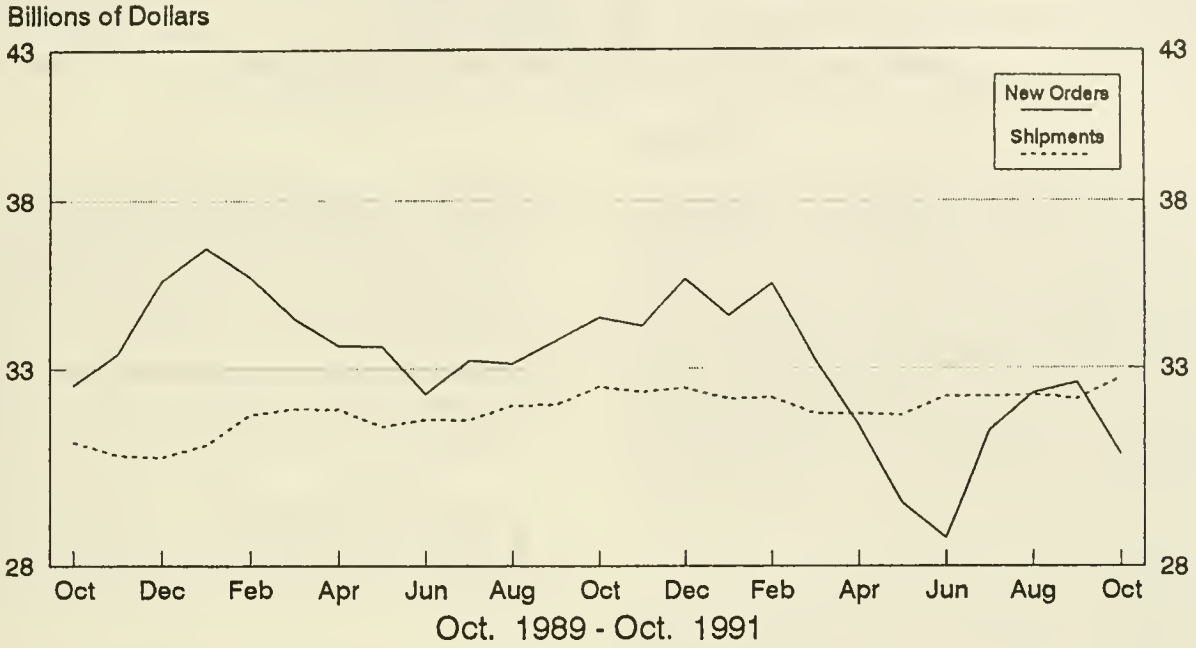
Ratio of Unfilled Orders and
Inventories to Shipments



Note: All Charts based on seasonally adjusted current dollars.

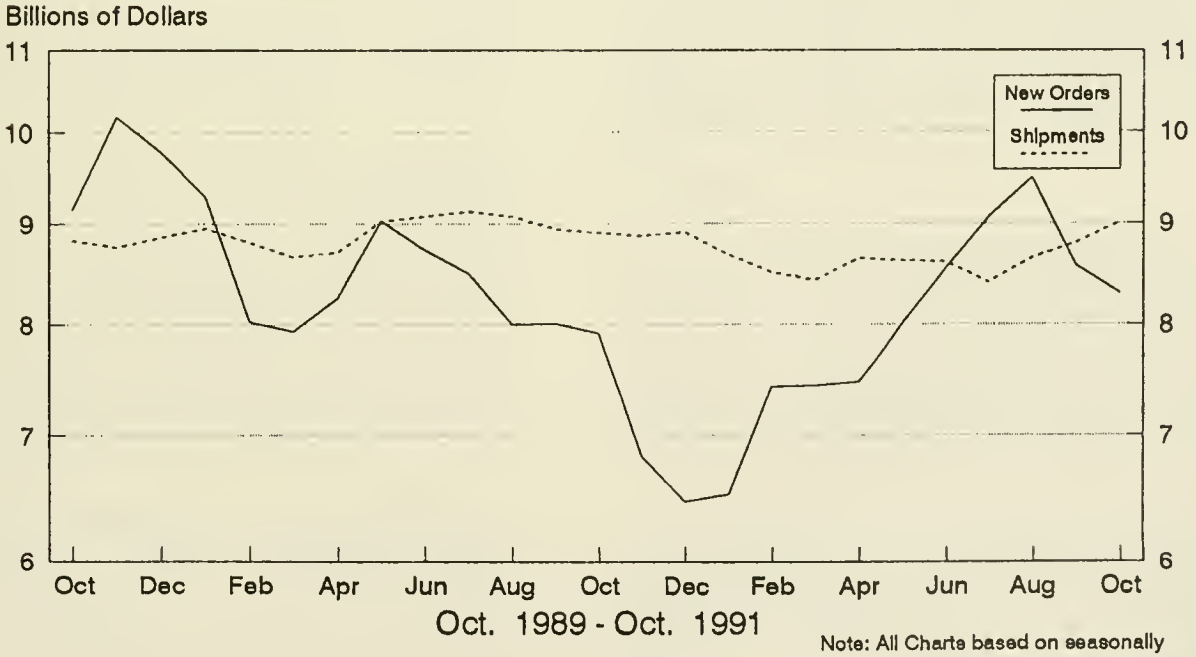
NonDefense Capital Goods

New Orders and Shipments
Three Month Moving Averages



Defense Capital Goods

New Orders and Shipments
Three Month Moving Averages



Note: All Charts based on seasonally adjusted current dollars.

U.S. Department of Commerce
BUREAU OF THE CENSUS
Washington, D.C. 20233

Official Business

Penalty for Private Use, $300

U.S.MAIL

POSTAGE AND FEES PAID
U.S. DEPARTMENT OF COMMERCE

COM-202

First Class Mail

.158:M 3-1-(91)-11
ent Industrial Report...

SUPERINTENDENT OF DOCUMENTS
DEPOSITORY
APR 7 1992
BOSTON PUBLIC LIBRARY
GOVERNMENT DOCUMENTS DEPARTMENT

Manufacturers' Shipments, Inventories, and Orders

J. S. Department of Commerce
UREAU OF THE CENSUS

November 1991
M3-1-(91)-11
For Wire Transmissions 10:00 a.m. E.S.T. Friday, January 3, 1992

(All figures in text are in seasonally adjusted current dollars)

ummary

New orders for manufactured goods in November ncreased $1.5 billion or 0.6 percent to $243.7 billion, the Department of Commerce, Bureau of the Census reported oday. The November increase follows an October increase f 1.9 percent and a September decrease of 2.3 percent. oth durable and nondurable goods were up in November.

Shipments were up $1.2 billion or 0.5 percent to $246.4 illion. This is the eighth consecutive monthly increase and at the highest level since $252.0 billion in October 1990. oth durable and nondurable goods were up in November.

Unfilled orders in November decreased $2.6 billion or .5 percent to $513.0 billion and are at the lowest level since 512.4 billion in November 1989. This follows declines in ctober and September. Unfilled orders have declined in ine of the last eleven months.

Inventories were down $0.1 billion to $378.0 billion om a revised October level of $378.1 billion. A decrease the durable goods sector more than offset an increase in ondurable goods. The inventories-to-shipments ratio in ovember decreased to 1.53 from 1.54 in October and is the west since 1.53 in May 1979.

ew Orders

New orders for durable goods in November increased 1.2 billion or 1.0 percent to $124.5 billion. The November crease follows a 2.7 percent increase in October and a 4.3 ercent decrease in September. Excluding defense, new rders were up $4.6 billion or 4.0 percent.

The largest increase occurred in transportation quipment, up $1.2 billion or 3.8 percent to $33.9 billion, as large increase in aircraft and parts more than offset ecreases in motor vehicles and parts and shipbuilding and nks. Other major industry groups with large increases ere industrial machinery and equipment, up $0.5 billion or 4 percent to $20.7 billion, and primary metals, up $0.3 llion or 3.3 percent to $10.8 billion. The largest decrease curred in instruments and related products, down $1.2 llion or 12.3 percent to $8.9 billion, due to search and vigation equipment and medical instruments and supplies. one, clay, and glass products were down $0.3 billion or 6.6 ercent to $4.5 billion.

New orders for nondurable goods increased $0.3 billion 0.3 percent to $119.2 billion. Large increases in food d kindred products, textiles, tobacco, and apparel more an offset declines in chemicals and allied products and per and allied products.

Shipments

Shipments of durable goods in November increased $0.8 billion or 0.6 percent to $127.2 billion and are at the highest level since $127.7 billion in October 1990. This is the eighth consecutive monthly increase. With the exception of transportation equipment, all major industry groups had increases. Excluding transportation equipment, shipments were up $1.6 billion or 1.7 percent to $93.3 billion. The largest increases occurred in electronic and other electrical equipment, up $0.4 billion or 2.5 percent to $17.8 billion, and industrial machinery and equipment, up $0.4 billion or 2.0 percent to $21.4 billion. Transportation equipment was down $0.8 billion or 2.3 percent to $33.9 billion, due to motor vehicles and parts and shipbuilding and tanks.

Shipments of nondurable goods increased $0.5 billion or 0.4 percent to $119.2 billion and are at the highest level since $123.1 billion in November 1990. Large increases occurred in food and kindred products, up $0.4 billion, and tobacco products, up $0.4 billion. Chemicals and allied products had the largest decrease, down $0.5 billion.

Unfilled Orders

Unfilled orders for durable goods in November decreased $2.7 billion or 0.5 percent to $491.2 billion and are the lowest level since $491.0 billion in November 1989. This is the third consecutive monthly decline. Excluding transportation equipment, unfilled orders decreased $2.6 billion or 1.2 percent to $217.8 billion. The largest decreases occurred in instruments and related products, down $1.4 billion or 2.4 percent to $56.7 billion, and industrial machinery and equipment, down $0.7 billion or 1.2 percent to $53.4 billion.

Inventories

Inventories for durable goods in November were down $0.4 billion or 0.2 percent to $242.4 billion from a revised October level of $242.8 billion. This is the lowest level since $241.4 billion in December 1988. Excluding transportation equipment, inventories were down $0.7 billion. The largest decrease was in industrial machinery and equipment, down $0.3 billion or 0.7 percent to $46.1 billion. Nondurable goods increased $0.3 billion or 0.2 percent to $135.5 billion. The largest increase occurred in chemicals and allied products, up $0.3 billion or 0.8 percent to $32.9 billion.

By stage of fabrication, finished-goods inventories remained virtually unchanged in durables and increased 1.3 percent in nondurables. Work in process was down 0.1 percent in durables and 1.1 percent in nondurables. Materials and supplies decreased 0.4 percent in durables and 0.5 percent in nondurables.

e advance report on durable goods for December is scheduled for January 30, 1992 at 8:30 a.m. and the full report on February 6, 1992 at 10:00 a.m. Address quiries concerning these figures to U.S. Department of Commerce, Bureau of the Census, Industry Division, Washington, DC 20233 or call Steve Andrews Kathleen Menth, (301) 763-2502 or (301) 763-2575.For sale by the Superintendent of Documents, U.S. Government Printing Office, Washington, DC 20402. is report is also available the day of issue through the Department of Commerce's online Economic Bulletin Board (N-8-1) (202-377-3870) and through the nsus Bureau's online information service-CENDATA. CENDATA is available from Dialog Information Services, INC. (1-800-334-2464) and CompuServe 800-848-8199). The CENDATA staff at the Bureau of the Census (301-763-2074) can provide content information and general guidance.

Table 1. VALUE OF MANUFACTURERS' SHIPMENTS FOR INDUSTRY GROUPS
(Millions of dollars)

Industry	Seasonally adjusted						Not seasonally adjusted[1]						
	Monthly			Percent Change			Monthly				Percent change	Year to date	
	Nov. 1991[p]	Oct. 1991[r]	Sept. 1991	Oct.-Nov.	Sept.-Oct.	Aug.-Sept.	Nov. 1991[p]	Oct. 1991[r]	Sept. 1991	Nov. 1990	Nov. 91/90	1991[p]	1990
All manufacturing industries	246,379	245,134	242,240	+0.5	+1.2	+0.1	245,698	253,919	257,962	244,210	+0.6	2,633,426	2,683,194
Manufacturing industries with unfilled orders	135,736	134,856	133,576	+0.7	+1.0	+0.1	135,734	139,101	143,336	133,111	+2.0	1,445,342	1,479,576
Durable goods industries	127,188	126,404	124,965	+0.6	+1.2	+0.4	125,911	130,927	133,506	121,237	+3.9	1,340,682	1,384,966
With unfilled orders	106,641	105,814	104,861	+0.8	+0.9	+0.2	106,079	108,701	113,030	103,182	+2.8	1,130,179	1,155,862
Stone, clay, and glass products	4,777	4,744	4,853	+0.7	-2.2	-0.6	4,791	5,138	5,239	4,985	-3.9	52,538	58,700
Primary metals	10,827	10,754	10,857	+0.7	-0.9	+1.0	10,621	11,237	11,272	11,447	-7.2	118,494	133,607
Blast furnaces, steel mills	4,414	4,451	4,480	-0.8	-0.6	+1.2	4,312	4,622	4,561	4,720	-8.6	47,947	54,722
Iron and steel foundries	867	873	871	-0.7	+0.2	+3.7	857	962	922	910	-5.8	9,629	10,738
Nonferrous and other primary metals	5,546	5,430	5,506	+2.1	-1.4	+0.3	5,452	5,653	5,789	5,817	-6.3	60,918	68,146
Fabricated metal products	15,843	15,716	15,291	+0.8	+2.8	-0.7	15,528	16,593	16,143	14,901	+4.2	167,349	173,817
Industrial machinery and equipment	21,395	20,979	20,683	+2.0	+1.4	+0.8	20,477	20,731	22,726	21,047	-2.7	227,687	239,739
Engines and turbines	1,530	1,522	1,517	+0.5	+0.3	+4.1	1,524	1,425	1,694	1,363	+11.8	15,701	14,377
Farm and garden machinery	1,203	1,178	1,224	+2.1	-3.8	+14.0	1,115	1,211	1,170	1,370	-18.6	13,895	16,150
Construction, mining and material handling equipment	2,597	2,678	3,015	-3.0	-11.2	+5.6	2,566	2,706	2,947	3,128	-18.0	30,518	30,637
Metalworking machinery	1,798	1,750	1,817	+2.7	-3.7	+0.3	1,827	1,917	1,943	1,932	-5.4	19,301	22,344
Computer and office equipment	6,415	6,171	5,496	+4.0	+12.3	-4.7	6,088	5,613	7,179	5,623	+8.3	62,384	63,350
Electronic and other electrical equipment	17,826	17,389	17,343	+2.5	+0.3	+1.3	18,273	17,501	19,094	17,135	+6.6	187,403	183,50
Electrical transmission and distribution equipment and industrial apparatus	2,269	2,247	2,348	+1.0	-4.3	+2.0	2,202	2,212	2,609	2,270	-3.0	25,332	26,31
Household appliances	1,685	1,582	1,562	+6.5	+1.3	-0.1	1,582	1,590	1,627	1,414	+11.9	17,185	16,94
Electric lighting and wiring equipment	1,347	1,311	1,321	+2.7	-0.8	+2.9	1,439	1,344	1,440	1,250	+15.1	14,310	13,98
Household audio and video equipment	1,007	975	962	+3.3	+1.4	+3.2	1,214	1,228	1,276	992	+22.4	9,792	8,52
Communications equipment	4,359	4,332	4,247	+0.6	+2.0	+4.3	4,374	3,998	4,693	3,914	+11.8	44,714	42,47
Electronic components	5,505	5,378	5,243	+2.4	+2.6	-1.1	5,527	5,351	5,546	5,374	+2.8	58,267	57,12
Transportation equipment	33,901	34,713	33,836	-2.3	+2.6	+1.9	33,676	36,554	35,448	29,803	+13.0	346,143	348,84
Motor vehicles and parts	20,201	20,954	20,041	-3.6	+4.6	+0.8	20,144	23,388	20,827	17,212	+17.0	205,505	214,26
Aircraft, missiles, space vehicles, and parts	11,832	11,800	11,790	+0.3	+0.1	+2.9	11,762	11,150	12,588	10,814	+8.8	119,910	113,05
Shipbuilding and tanks	942	1,108	1,023	-15.0	+8.3	+3.6	925	1,117	1,038	934	-1.0	10,955	10,41
Instruments and related products	10,247	10,078	9,964	+1.7	+1.1	-3.2	10,398	10,124	10,599	10,305	+0.9	108,840	109,40
Search and navigation equipment	3,003	2,945	2,776	+2.0	+6.1	-15.0	3,215	2,919	2,986	3,238	-0.7	31,527	33,02
Measuring and controlling devices	2,418	2,374	2,328	+1.9	+2.0	+3.1	2,362	2,393	2,471	2,261	+4.5	25,475	26,44
Medical instruments and supplies	2,615	2,572	2,557	+1.7	+0.6	+3.9	2,534	2,523	2,682	2,380	+6.5	27,433	25,59
Photographic goods	1,897	1,911	1,972	-0.7	-3.1	-0.6	1,980	1,999	2,120	2,165	-8.5	21,150	21,39
All other durable goods	12,372	12,031	12,138	+2.8	-0.9	-1.2	12,147	13,049	12,985	11,614	+4.6	132,228	137,35
Nondurable goods industries	119,191	118,730	117,275	+0.4	+1.2	-0.1	119,787	122,992	124,456	122,973	-2.6	1,292,744	1,298,22
With unfilled orders	29,095	29,042	28,715	+0.2	+1.1	-0.1	29,655	30,400	30,306	29,929	-0.9	315,163	323,71
Food and kindred products	33,803	33,379	33,246	+1.3	+0.4	-0.1	33,687	34,441	35,140	33,511	+0.5	365,357	364,08
Meat products	7,912	7,763	7,943	+1.9	-2.3	+1.1	7,698	8,055	8,194	8,034	-4.2	87,762	88,91
Dairy products	4,641	4,609	4,588	+0.7	+0.5	+0.8	4,678	4,573	4,689	4,561	+2.6	49,656	51,24
Beverages	4,462	4,541	4,558	-1.7	-0.4	+1.4	4,248	4,431	4,616	4,289	-1.0	49,643	48,79
All other foods, except fats and oils	15,263	14,956	14,599	+2.1	+2.4	-1.3	15,538	15,872	16,083	15,027	+3.4	162,253	158,87
Tobacco products	2,950	2,597	2,585	+13.6	+0.5	+1.5	3,460	2,390	2,954	3,179	+8.8	27,223	25,81
Textile mill products	5,702	5,736	5,634	-0.6	+1.8	+0.6	5,844	6,194	6,186	5,293	+10.4	59,363	58,88
Broadwoven fabrics and other textiles	3,411	3,415	3,403	-0.1	+0.4	-0.5	3,414	3,605	3,742	3,124	+9.3	35,545	35,52
Paper and allied products	10,189	10,234	10,317	-0.4	-0.8	+0.5	9,942	10,411	10,563	10,473	-5.1	112,413	118,66
Pulp, paper, and paperboard mill products	4,307	4,354	4,336	-1.1	+0.4	+0.2	4,221	4,370	4,375	4,570	-7.6	47,940	51,53
Paperboard containers and boxes	2,351	2,329	2,291	+0.9	+1.7	-0.8	2,278	2,436	2,350	2,381	-4.3	25,297	26,97
Miscellaneous converted paper products	3,531	3,551	3,690	-0.6	-3.8	+1.6	3,443	3,605	3,838	3,522	-2.2	39,176	40,16
Chemicals and allied products	23,853	24,354	24,025	-2.1	+1.4	0.0	23,073	24,115	25,047	23,929	-3.6	265,467	262,58
Industrial chemicals	12,330	12,620	12,619	-2.3	0.0	-1.1	12,046	12,684	12,724	13,232	-9.0	140,233	143,79
Drugs, soaps, and toiletries	9,032	9,092	8,848	-0.7	+2.8	+1.9	8,842	9,076	9,988	8,357	+5.8	95,826	89,34
Petroleum and coal products	13,850	13,826	13,348	+0.2	+3.6	-2.5	14,286	14,587	14,406	18,201	-21.5	154,376	163,27
Rubber and plastics products	7,868	8,032	8,064	-2.0	-0.4	+1.7	7,417	8,388	8,378	7,215	+2.8	85,575	84,97
All other nondurable goods	20,976	20,572	20,056	+2.0	+2.6	-0.3	22,078	22,466	21,782	21,172	+4.3	222,970	219,94

[p] Preliminary. [r] Revised.

[1] Shipments and new orders are the totals for the period and are adjusted for trading-day and calendar-month variations.

Table 2. VALUE OF MANUFACTURERS' NEW ORDERS FOR INDUSTRY GROUPS
(Millions of dollars)

Industry	Seasonally adjusted						Not seasonally adjusted[1]						
	Monthly			Percent Change			Monthly				Percent change	Year to date	
	Nov. 1991[p]	Oct. 1991[r]	Sept. 1991[r]	Oct.-Nov.	Sept.-Oct.[r]	Aug.-Sept.[r]	Nov. 1991[p]	Oct. 1991[r]	Sept. 1991	Nov. 1990	Nov. 91/90	1991[p]	1990
All manufacturing industries	243,743	242,230	237,624	+0.6	+1.9	-2.3	242,673	249,441	253,067	238,277	+1.8	2,618,101	2,686,309
Manufacturing industries with unfilled orders	133,100	131,952	128,960	+0.9	+2.3	-4.2	132,709	134,623	138,441	127,178	+4.3	1,430,017	1,482,691
Durable goods industries	124,526	123,325	120,092	+1.0	+2.7	-4.3	123,339	126,956	128,355	115,896	+6.4	1,324,180	1,388,458
With unfilled orders	103,979	102,735	99,988	+1.2	+2.7	-5.4	103,507	104,730	107,879	97,841	+5.8	1,113,677	1,159,354
Stone, clay, and glass products	4,533	4,852	4,992	-6.6	-2.8	+1.3	4,509	5,156	5,281	4,748	-5.0	53,652	58,647
Primary metals	10,838	10,493	10,823	+3.3	-3.0	-4.4	10,613	10,500	10,908	10,887	-2.5	116,249	132,931
Blast furnaces, steel mills	4,228	4,453	4,483	-5.1	-0.7	-9.0	4,024	4,413	4,407	4,105	-2.0	47,342	54,187
Iron and steel foundries	811	836	815	-3.0	+2.6	-6.2	777	934	830	885	-12.2	9,263	11,246
Nonferrous and other primary metals	5,799	5,204	5,525	+11.4	-5.8	0.0	5,812	5,153	5,671	5,897	-1.4	59,644	67,498
Fabricated metal products	15,547	15,469	15,193	+0.5	+1.8	-1.2	15,063	16,125	15,860	14,362	+4.9	165,927	172,605
Industrial machinery and equipment	20,740	20,259	20,987	+2.4	-3.5	+3.0	20,138	19,934	22,862	21,126	-4.7	224,134	239,177
Engines and turbines	1,373	1,565	2,208	-12.3	-29.1	+56.5	1,523	1,554	2,414	1,454	+4.7	16,881	15,921
Construction, mining and material handling equipment	2,586	2,484	3,016	+4.1	-17.6	+6.6	2,603	2,514	2,915	3,019	-13.8	28,936	30,306
Metalworking machinery	1,894	1,521	1,917	+24.5	-20.7	+4.1	1,923	1,688	2,043	1,840	+4.5	19,087	21,617
Computer and office equipment	6,034	5,833	5,273	+3.4	+10.6	-8.8	5,824	5,297	6,862	5,666	+2.8	62,243	63,894
Electronic and other electrical equipment	17,638	17,431	16,830	+1.2	+3.6	+4.1	17,867	17,334	18,226	16,004	+11.6	184,980	183,291
Electrical transmission and distribution equipment and industrial apparatus	2,129	2,324	2,190	-8.4	+6.1	-2.3	2,039	2,270	2,417	1,941	+5.0	25,189	26,236
Electric lighting and wiring equipment	1,310	1,292	1,310	+1.4	-1.4	+3.7	1,402	1,325	1,429	1,317	+6.5	14,553	14,148
Communications equipment	3,875	4,336	4,017	-10.6	+7.9	+17.3	3,947	3,972	4,491	3,374	+17.0	41,654	42,258
Electronic components	6,043	5,245	5,180	+15.2	+1.3	+0.8	5,914	5,055	5,267	5,125	+15.4	58,379	56,562
Transportation equipment	33,883	32,648	29,352	+3.8	+11.2	-14.7	34,152	34,780	32,119	28,181	+21.2	341,825	359,693
Aircraft, missiles, space vehicles, and parts	12,629	10,125	6,993	+24.7	+44.8	-41.0	13,095	9,921	9,072	10,155	+29.0	116,904	126,286
Shipbuilding and tanks	306	929	-119	-67.1	(n)	-107.2	238	840	-151	379	-37.2	9,402	9,473
Instruments and related products	8,855	10,097	9,650	-12.3	+4.6	-9.2	9,263	10,379	10,233	9,323	-0.6	105,171	104,392
Search and navigation equipment	1,786	2,663	2,624	-32.9	+1.5	-29.7	2,300	2,933	2,725	2,421	-5.0	28,271	27,972
Measuring and controlling devices	2,462	2,387	2,185	+3.1	+9.2	+0.7	2,406	2,406	2,328	2,220	+8.4	25,391	26,206
Medical instruments and supplies	2,441	2,836	2,606	-13.9	+8.8	+5.3	2,360	2,787	2,731	2,255	+4.7	27,195	25,885
All other durable goods	12,492	12,076	12,265	+3.4	-1.5	-0.2	11,734	12,748	12,866	11,265	+4.2	132,242	137,722
Nondurable goods industries	119,217	118,905	117,532	+0.3	+1.2	-0.1	119,334	122,485	124,712	122,381	-2.5	1,293,921	1,297,851
With unfilled orders	29,121	29,217	28,972	-0.3	+0.8	0.0	29,202	29,893	30,562	29,337	-0.5	316,340	323,337

[p] Preliminary. [r] Revised.

[1] Shipments and new orders are the totals for the period and are adjusted for trading-day and calendar-month variations.

(n) When new orders for a prior month are negative because of cancellations, the percentage change calculation is algebraically negative, even though there is a net dollar increase from the prior month to the current month.

Table 3. VALUE OF MANUFACTURERS' UNFILLED ORDERS FOR INDUSTRY GROUPS
(Millions of dollars)

Industry	Seasonally adjusted						Not seasonally adjusted				
	Monthly			Percent Change			Monthly				Percen chang Nov 91/90
	Nov. 1991[p]	Oct. 1991[r]	Sept. 1991[r]	Oct.-Nov.	Sept.-Oct.[r]	Aug.-Sept.[r]	Nov. 1991[p]	Oct. 1991[r]	Sept. 1991	Nov. 1990	
All manufacturing industries	512,950	515,586	518,490	-0.5	-0.6	-0.9	508,747	511,772	516,250	520,937	-2.
Durable goods industries	491,218	493,880	496,959	-0.5	-0.6	-1.0	487,629	490,201	494,172	500,772	-2.
Stone, clay, and glass products	6,283	6,527	6,419	-3.7	+1.7	+2.2	6,198	6,480	6,462	5,111	+21.
Primary metals	21,350	21,339	21,600	+0.1	-1.2	-0.2	20,114	20,122	20,859	22,480	-10.
Blast furnaces, steel mills	8,352	8,538	8,536	-2.2	0.0	0.0	7,659	7,947	8,156	8,448	-9.
Iron and steel foundries	2,690	2,746	2,783	-2.0	-1.3	-2.0	2,652	2,732	2,760	3,103	-14.
Nonferrous and other primary metals	10,308	10,055	10,281	+2.5	-2.2	+0.2	9,803	9,443	9,943	10,929	-10.
Fabricated metal products	26,267	26,563	26,810	-1.1	-0.9	-0.4	25,838	26,303	26,771	27,120	-4.
Industrial machinery and equipment	53,354	54,009	54,729	-1.2	-1.3	+0.6	53,372	53,711	54,508	58,493	-8.
Engines and turbines	8,791	8,948	8,905	-1.8	+0.5	+8.4	9,078	9,079	8,950	8,239	+10.
Construction, mining and material handling equipment	6,581	6,592	6,786	-0.2	-2.9	0.0	6,509	6,472	6,664	8,217	-20.
Metalworking machinery	6,840	6,744	6,973	+1.4	-3.3	+1.5	6,840	6,744	6,973	6,977	-2.
Computer and office equipment	11,372	11,753	12,091	-3.2	-2.8	-1.8	11,577	11,841	12,157	12,768	-9.
Electronic and other electrical equipment	46,811	46,999	46,957	-0.4	+0.1	-1.1	46,220	46,626	46,793	47,598	-2.
Electrical transmission and distribution equipment and industrial apparatus	6,494	6,634	6,557	-2.1	+1.2	-2.4	6,437	6,600	6,542	6,452	-0.
Electric lighting and wiring equipment	2,310	2,347	2,366	-1.6	-0.8	-0.5	2,310	2,347	2,366	2,537	-8.
Communications equipment	19,323	19,807	19,803	-2.4	0.0	-1.1	19,343	19,770	19,796	21,119	-8.
Electronic components	14,274	13,736	13,869	+3.9	-1.0	-0.5	13,817	13,430	13,726	13,678	+1.
Transportation equipment	273,450	273,468	275,533	0.0	-0.7	-1.6	273,190	272,714	274,488	272,078	+0.
Aircraft, missiles, space vehicles, and parts	238,723	237,926	239,601	+0.3	-0.7	-2.0	238,652	237,319	238,548	236,856	+0.
Shipbuilding and tanks	25,197	25,833	26,012	-2.5	-0.7	-4.2	25,218	25,905	26,182	26,187	-3.
Instruments and related products	56,671	58,063	58,044	-2.4	0.0	-0.5	56,376	57,511	57,256	61,034	-7.
Search and navigation equipment	39,848	41,065	41,347	-3.0	-0.7	-0.4	39,602	40,517	40,503	43,562	-9.
Measuring and controlling devices	8,052	8,008	7,995	+0.5	+0.2	-1.8	8,052	8,008	7,995	8,171	-1.
Medical instruments and supplies	7,823	7,997	7,733	-2.2	+3.4	+0.6	7,823	7,997	7,733	8,221	-4.
All other durable goods	7,032	6,912	6,867	+1.7	+0.7	+1.9	6,321	6,734	7,035	6,858	-7.
Nondurable goods industries	21,732	21,706	21,531	+0.1	+0.8	+1.2	21,118	21,571	22,078	20,165	+4.

[p] Preliminary. [r] Revised.

Table 4. VALUE OF MANUFACTURERS' INVENTORIES FOR INDUSTRY GROUPS
(Millions of dollars)

Industry	Seasonally adjusted						Not seasonally adjusted				
	Monthly			Percent Change			Monthly				Percent change
	Nov. 1991[p]	Oct. 1991[r]	Sept. 1991	Oct.-Nov.	Sept.-Oct.	Aug.-Sept.	Nov. 1991[p]	Oct. 1991[r]	Sept. 1991	Nov. 1990	Nov. 91/90
All manufacturing industries	377,979	378,064	378,837	0.0	-0.2	+0.4	377,361	378,171	377,445	391,216	-3.5
Manufacturing industries with unfilled orders	257,462	257,975	258,928	-0.2	-0.4	+0.2	256,121	257,517	258,092	269,288	-4.9
Durable goods industries	242,444	242,816	244,310	-0.2	-0.6	+0.3	241,910	242,689	243,223	255,440	-5.3
With unfilled orders	224,282	224,687	226,024	-0.2	-0.6	+0.2	223,556	224,739	225,268	235,974	-5.3
Stone, clay, and glass products	7,951	7,860	7,905	+1.2	-0.6	-1.0	7,754	7,647	7,702	7,854	-1.3
Primary metals	21,580	21,787	21,947	-1.0	-0.7	-0.5	21,565	21,736	21,997	23,485	-8.2
Blast furnaces, steel mills	10,496	10,587	10,724	-0.9	-1.3	-0.5	10,622	10,625	10,814	11,501	-7.6
Iron and steel foundries	1,488	1,473	1,462	+1.0	+0.8	+0.9	1,433	1,422	1,425	1,374	+4.3
Nonferrous and other primary metals	9,596	9,727	9,761	-1.3	-0.3	-0.8	9,510	9,689	9,758	10,610	-10.4
Fabricated metal products	23,045	22,959	23,001	+0.4	-0.2	-0.4	22,848	22,738	22,776	24,592	-7.1
Industrial machinery and equipment	46,128	46,448	46,580	-0.7	-0.3	-0.3	46,109	46,463	46,377	48,498	-4.9
Engines and turbines	3,616	3,661	3,663	-1.2	-0.1	-0.6	3,784	3,873	3,754	3,881	-2.5
Farm and garden machinery	2,307	2,342	2,321	-1.5	+0.9	-0.5	2,270	2,255	2,261	2,567	-11.6
Construction, mining and material handling equipment	6,518	6,628	6,711	-1.7	-1.2	-1.0	6,401	6,555	6,628	6,571	-2.6
Metalworking machinery	4,914	4,895	4,891	+0.4	+0.1	-0.9	4,904	4,896	4,921	5,122	-4.3
Computer and office equipment	10,462	10,508	10,571	-0.4	-0.6	+0.8	10,546	10,597	10,585	11,490	-8.2
Electronic and other electrical equipment	28,768	28,886	29,035	-0.4	-0.5	-0.4	28,499	28,772	28,881	30,242	-5.8
Electrical transmission and distribution equipment and industrial apparatus	4,169	4,134	4,190	+0.8	-1.3	-0.7	4,136	4,120	4,167	4,582	-9.7
Household appliances	2,272	2,211	2,312	+2.8	-4.4	+3.5	2,197	2,125	2,220	2,544	-13.6
Electric lighting and wiring equipment	3,221	3,214	3,222	+0.2	-0.2	-1.0	3,186	3,229	3,213	3,338	-4.6
Household audio and video equipment	1,150	1,132	1,083	+1.6	+4.5	+2.8	1,084	1,126	1,116	1,076	+0.7
Communications equipment	5,485	5,513	5,479	-0.5	+0.6	-1.8	5,544	5,555	5,498	5,792	-4.3
Electronic components	8,812	9,011	9,064	-2.2	-0.6	-0.9	8,803	9,009	9,064	9,308	-5.4
Transportation equipment	71,988	71,690	72,458	+0.4	-1.1	+1.4	72,305	72,238	72,335	75,100	-3.7
Motor vehicles and parts	12,971	12,777	12,694	+1.5	+0.7	+1.0	13,243	12,776	12,681	12,990	+1.9
Aircraft, missiles, space vehicles, and parts	54,962	55,006	55,817	-0.1	-1.5	+1.6	55,020	55,573	55,612	57,931	-5.0
Shipbuilding and tanks	2,031	1,881	1,956	+8.0	-3.8	-1.6	2,048	1,898	2,058	2,051	-0.1
Instruments and related products	23,277	23,482	23,606	-0.9	-0.5	0.0	23,253	23,504	23,460	24,799	-6.2
Search and navigation equipment	8,370	8,575	8,680	-2.4	-1.2	-0.5	8,332	8,606	8,611	9,501	-12.3
Measuring and controlling devices	5,946	6,008	6,093	-1.0	-1.4	-0.6	6,011	6,023	6,086	6,526	-7.9
Medical instruments and supplies	5,681	5,617	5,530	+1.1	+1.6	+1.5	5,613	5,564	5,437	5,348	+5.0
Photographic goods	2,706	2,710	2,732	-0.1	-0.8	+0.7	2,730	2,747	2,760	2,783	-1.9
All other durable goods	19,707	19,704	19,778	0.0	-0.4	+1.4	19,577	19,591	19,695	20,870	-6.2
Nondurable goods industries	135,535	135,248	134,527	+0.2	+0.5	+0.6	135,451	135,482	134,222	135,776	-0.2
With unfilled orders	33,180	33,288	32,904	-0.3	+1.2	0.0	32,565	32,778	32,824	33,314	-2.2
Food and kindred products	28,982	28,852	28,494	+0.5	+1.3	+1.9	30,315	30,221	29,075	29,327	+3.4
Meat products	2,968	3,091	3,024	-4.0	+2.2	+0.3	3,013	3,054	2,956	3,114	-3.2
Dairy products	2,535	2,476	2,440	+2.4	+1.5	+0.8	2,469	2,448	2,423	2,497	-1.1
Beverages	4,920	4,866	4,801	+1.1	+1.4	+1.1	4,935	4,891	4,798	4,646	+6.2
All other foods, except fats and oils	17,037	16,794	16,568	+1.4	+1.4	+2.0	18,196	18,160	17,469	17,359	+4.8
Tobacco products	5,737	5,882	5,892	-2.5	-0.2	-1.0	5,703	5,956	5,744	5,251	+8.6
Textile mill products	8,633	8,751	8,744	-1.3	+0.1	+1.9	8,357	8,584	8,628	8,677	-3.7
Broadwoven fabrics and other textiles	5,001	5,021	4,996	-0.4	+0.5	-0.5	4,921	4,906	4,890	5,165	-4.7
Paper and allied products	13,456	13,368	13,153	+0.7	+1.6	+0.4	13,254	13,029	12,938	13,100	+1.2
Pulp, paper, and paperboard mill products	5,665	5,618	5,562	+0.8	+1.0	+0.7	5,563	5,449	5,443	5,291	+5.1
Paperboard containers and boxes	3,223	3,156	3,119	+2.1	+1.2	+0.4	3,155	3,098	3,128	3,122	+1.1
Miscellaneous converted paper products	4,568	4,594	4,472	-0.6	+2.7	0.0	4,536	4,482	4,367	4,687	-3.2
Chemicals and allied products	32,885	32,630	32,522	+0.8	+0.3	+0.1	32,689	32,265	31,957	31,930	+2.4
Industrial chemicals	16,549	16,347	16,297	+1.2	+0.3	-0.3	16,334	16,082	16,069	16,245	+0.5
Drugs, soaps, and toiletries	11,558	11,556	11,514	0.0	+0.4	+1.1	11,616	11,581	11,355	10,942	+6.2
Petroleum and coal products	11,505	11,402	11,778	+0.9	-3.2	+0.8	11,674	11,646	11,854	13,420	-13.0
Rubber and plastics products	11,290	11,274	11,253	+0.1	+0.2	-0.9	11,164	11,083	11,105	11,729	-4.8
All other nondurable goods	23,047	23,089	22,691	-0.2	+1.8	+0.1	22,295	22,698	22,921	22,342	-0.2

[p] Preliminary [r] Revised

Table 5. VALUE OF MANUFACTURERS' SHIPMENTS AND NEW ORDERS FOR TOPICAL SERIES[1]
(Millions of dollars)

Industry	Seasonally adjusted						Not seasonally adjusted [2]						
	Monthly			Percent Change			Monthly				Percent change	Year to date	
	Nov. 1991p	Oct. 1991r	Sept. 1991r	Oct.-Nov.	Sept.-Oct.r	Aug.-Sept.r	Nov. 1991p	Oct. 1991r	Sept. 1991	Nov. 1990	Nov. 91/90	1991p	1990
SHIPMENTS													
All manufacturing industries	246,379	245,134	242,240	+0.5	+1.2	+0.1	245,698	253,919	257,962	244,210	+0.6	2,633,426	2,683,194
Market categories :													
Automotive equipment	9,106	9,318	8,987	-2.3	+3.7	+1.5	9,066	10,379	9,288	7,841	+15.6	91,429	98,258
Home goods and apparel	16,015	15,532	15,255	+3.1	+1.8	+0.8	16,705	17,517	17,131	14,799	+12.9	165,219	158,507
Consumer staples	57,250	56,541	55,842	+1.3	+1.3	0.0	57,961	57,833	59,916	59,630	-2.8	616,257	613,847
Machinery and equipment	41,223	40,815	39,871	+1.0	+2.4	+1.7	40,148	40,671	42,908	38,068	+5.5	426,643	430,464
Business supplies	19,558	19,519	19,148	+0.2	+1.9	-1.3	19,982	20,561	20,126	20,967	-4.7	214,253	218,529
Construction materials and supplies	13,925	13,685	13,655	+1.8	+0.2	-0.2	13,671	14,632	14,665	13,188	+3.7	148,869	158,637
Defense products	8,818	8,909	9,151	-1.0	-2.6	-0.7	9,121	8,741	9,589	9,326	-2.2	93,867	96,185
Other materials, supplies and and intermediate products	80,484	80,815	80,331	-0.4	+0.6	-0.3	79,044	83,585	84,339	80,391	-1.7	876,889	908,767
Durable goods industries :													
Nondefense capital goods [3]	33,756	33,316	32,547	+1.3	+2.4	+0.9	32,487	32,095	35,907	30,839	+5.3	350,624	347,034
Excluding aircraft and parts	26,801	26,497	26,107	+1.1	+1.5	+1.5	25,873	25,803	28,918	25,367	+2.0	282,580	288,111
Defense capital goods [4]	8,722	8,847	9,030	-1.4	-2.0	-1.2	9,199	8,653	9,477	9,581	-4.0	92,808	95,684
Durables excluding capital goods	84,710	84,241	83,388	+0.6	+1.0	+0.4	84,225	90,179	88,122	80,817	+4.2	897,250	942,248
Miscellaneous series :													
Producers' durable equipment	82,058	81,732	79,580	+0.4	+2.7	+0.7	80,954	84,951	85,334	75,620	+7.1	852,596	869,847
Household durable goods	7,128	6,900	6,836	+3.3	+0.9	+0.7	7,387	7,658	7,745	6,659	+10.9	73,233	71,468
Information technology industries	15,226	14,968	14,244	+1.7	+5.1	-0.1	14,967	14,221	16,666	14,026	+6.7	155,969	155,914
Health care equipment and products	7,509	7,501	7,356	+0.1	+2.0	+2.6	7,323	7,449	8,090	6,908	+6.0	79,378	74,101
NEW ORDERS													
All manufacturing industries	243,743	242,230	237,624	+0.6	+1.9	-2.3	242,673	249,441	253,067	238,277	+1.8	2,618,101	2,686,309
Market categories :													
Automotive equipment	9,056	9,288	9,308	-2.5	-0.2	+4.6	9,003	10,351	9,580	7,776	+15.8	91,691	98,097
Home goods and apparel	16,059	15,678	15,554	+2.4	+0.8	+0.9	15,967	17,019	17,222	14,435	+10.6	165,908	159,263
Consumer staples	57,181	56,592	55,835	+1.0	+1.4	0.0	57,905	57,848	59,906	59,629	-2.9	616,264	613,692
Machinery and equipment	42,438	39,392	38,050	+7.7	+3.5	+1.3	41,372	39,018	40,883	37,195	+11.2	418,931	447,704
Business supplies	19,544	19,430	19,170	+0.6	+1.4	-0.9	19,924	20,337	20,151	20,880	-4.6	214,042	218,674
Construction materials and supplies	13,663	13,606	13,721	+0.4	-0.8	0.0	13,343	14,413	14,629	12,842	+3.9	149,249	158,143
Defense products	5,285	8,713	5,743	-39.3	+51.7	-47.6	6,578	9,122	7,447	7,338	-10.4	84,885	83,576
Other materials, supplies and and intermediate products	80,517	79,531	80,243	+1.2	-0.9	-1.5	78,581	81,333	83,249	78,182	+0.5	877,131	907,160
Durable goods industries :													
Nondefense capital goods [3]	35,150	31,098	30,078	+13.0	+3.4	-3.0	34,143	29,713	33,201	29,898	+14.2	345,152	365,388
Excluding aircraft and parts	25,834	25,604	26,111	+0.9	-1.9	+4.9	25,168	24,746	28,685	24,301	+3.6	275,201	286,292
Defense capital goods [4]	4,948	8,306	5,516	-40.4	+50.6	-48.9	6,320	8,824	7,163	7,337	-13.9	83,236	82,802
Durables excluding capital goods	84,428	83,921	84,498	+0.6	-0.7	+1.0	82,876	88,419	87,991	78,661	+5.4	895,792	940,268
Miscellaneous series :													
Producers' durable equipment	82,601	80,692	79,256	+2.4	+1.8	+2.7	80,956	83,114	84,217	73,814	+9.7	841,569	884,056
Household durable goods	7,141	7,022	6,966	+1.7	+0.8	+0.1	6,901	7,314	7,593	6,426	+7.4	73,581	71,432
Information technology industries	14,543	14,425	13,703	+0.8	+5.3	-0.1	14,401	13,670	16,068	13,404	+7.4	152,968	155,303
Health care equipment and products	7,335	7,766	7,405	-5.5	+4.9	+3.1	7,148	7,714	8,138	6,782	+5.4	79,137	74,388

p Preliminary. r Revised.

1 Topical series are regroupings of the separate industry categories.

2 Shipments and new orders are the totals for the period and are adjusted for trading-day and calendar-month variations.

3 Nondefense capital goods industries include : ordnance and accessories; steam, gas and hydraulic turbines; internal combustion engines; construction, mining, and material handling equipment; metalworking machinery; special industry machinery; general industrial machinery; computer and office equipment; refrigeration, heating and service industry machinery; electrical transmission and distribution equipment; electrical industrial apparatus; communications equipment; aircraft, missiles, space vehicles, and engines and parts; ships and tank components; railroad equipment; and search and navigation equipment.

4 Defense capital goods industries include : ordnance and accessories; communications equipment; aircraft, missiles, space vehicles, and engines and parts; ships, tanks and tank components; and search and navigation equipment.

Table 6. VALUE OF MANUFACTURERS' UNFILLED ORDERS AND TOTAL INVENTORIES FOR TOPICAL SERIES[1]
(Millions of dollars)

Industry	Seasonally adjusted						Not seasonally adjusted				
	Monthly			Percent Change			Monthly				Percent change
	Nov. 1991[p]	Oct. 1991[r]	Sept. 1991[r]	Oct.-Nov.	Sept.-Oct.[r]	Aug.-Sept.[r]	Nov. 1991[p]	Oct. 1991[r]	Sept. 1991	Nov. 1990	Nov. 91/90
UNFILLED ORDERS											
All manufacturing industries	512,950	515,586	518,490	-0.5	-0.6	-0.9	508,747	511,772	516,250	520,937	-2.3
Market categories :											
Automotive equipment	2,143	2,193	2,222	-2.3	-1.3	+16.9	2,098	2,161	2,189	1,858	+12.9
Home goods and apparel	8,820	8,776	8,629	+0.5	+1.7	+3.6	7,684	8,422	8,919	7,521	+2.2
Consumer staples	1,333	1,401	1,350	-4.9	+3.8	-0.5	1,329	1,385	1,370	1,306	+1.8
Machinery and equipment	220,874	219,660	221,082	+0.6	-0.6	-0.8	220,616	219,392	221,045	222,859	-1.0
Business supplies	5,708	5,722	5,810	-0.2	-1.5	+0.4	5,667	5,725	5,949	6,010	-5.7
Construction materials and supplies	13,074	13,336	13,415	-2.0	-0.6	+0.5	12,785	13,113	13,332	12,374	+3.3
Defense products	134,986	138,519	138,715	-2.6	-0.1	-2.4	134,697	137,239	136,859	143,813	-6.3
Other materials, supplies and and intermediate products	126,012	125,979	127,267	0.0	-1.0	-0.1	123,871	124,335	126,587	125,196	-1.1
Durable goods industries :											
Nondefense capital goods [3]	244,377	242,983	245,201	+0.6	-0.9	-1.0	244,372	242,716	245,098	244,481	0.0
Excluding aircraft and parts	79,992	80,959	81,852	-1.2	-1.1	0.0	79,987	80,692	81,749	87,843	-8.9
Defense capital goods [4]	143,501	147,275	147,816	-2.6	-0.4	-2.3	143,204	146,083	145,912	153,408	-6.7
Durables excluding capital goods	103,340	103,622	103,942	-0.3	-0.3	+1.1	100,053	101,402	103,162	102,883	-2.8
Miscellaneous series :											
Producers' durable equipment	245,801	245,258	246,298	+0.2	-0.4	-0.1	244,413	244,411	246,248	250,639	-2.5
Household durable goods	5,298	5,285	5,163	+0.2	+2.4	+2.6	4,446	4,932	5,276	4,524	-1.7
Information technology industries	39,077	39,760	40,303	-1.7	-1.3	-1.3	39,277	39,843	40,394	42,509	-7.6
Health care equipment and products	7,849	8,023	7,759	-2.2	+3.4	+0.6	7,850	8,025	7,760	8,253	-4.9
TOTAL INVENTORIES											
All manufacturing industries	377,979	378,064	378,837	0.0	-0.2	+0.4	377,361	378,171	377,445	391,216	-3.5
Market categories :											
Automotive equipment	6,489	6,399	6,369	+1.4	+0.5	+1.5	6,562	6,339	6,312	6,676	-1.7
Home goods and apparel	26,289	26,208	25,925	+0.3	+1.1	+2.1	25,240	25,561	25,795	25,664	-1.7
Consumer staples	55,406	55,335	55,100	+0.1	+0.4	+0.9	56,573	56,733	55,483	55,709	+1.6
Machinery and equipment	86,230	86,182	86,679	+0.1	-0.6	0.0	86,256	86,263	86,015	87,958	-1.9
Business supplies	21,407	21,494	21,423	-0.4	+0.3	-0.1	21,313	21,486	21,559	22,563	-5.5
Construction materials and supplies	22,952	22,870	23,011	+0.4	-0.6	-0.1	22,662	22,638	22,712	23,650	-4.2
Defense products	33,529	33,801	34,322	-0.8	-1.5	+1.1	33,479	34,201	34,442	38,114	-12.2
Other materials, supplies and and intermediate products	125,677	125,775	126,008	-0.1	-0.2	0.0	125,276	124,950	125,127	130,882	-4.3
Durable goods industries :											
Nondefense capital goods [3]	82,050	82,072	82,727	0.0	-0.8	-0.3	82,078	82,296	82,189	84,286	-2.6
Excluding aircraft and parts	53,767	53,906	54,243	-0.3	-0.6	-0.5	53,813	54,013	54,116	57,096	-5.7
Defense capital goods [4]	35,822	36,152	36,721	-0.9	-1.5	+2.0	35,827	36,656	36,928	40,681	-11.9
Durables excluding capital goods	124,572	124,592	124,862	0.0	-0.2	+0.2	124,005	123,737	124,106	130,473	-5.0
Miscellaneous series :											
Producers' durable equipment	138,970	138,679	139,213	+0.2	-0.4	+0.3	138,700	138,399	138,220	143,399	-3.3
Household durable goods	12,276	12,194	12,163	+0.7	+0.3	+1.7	11,911	11,987	12,098	12,695	-6.2
Information technology industries	26,350	26,476	26,661	-0.5	-0.7	-0.2	26,628	26,681	26,657	28,971	-8.1
Health care equipment and products	11,975	11,911	11,799	+0.5	+0.9	+1.3	11,937	11,871	11,620	11,319	+5.5

See footnotes at end of table 5.

Table 7. VALUE OF MANUFACTURERS' INVENTORIES, BY STAGE OF FABRICATION, BY INDUSTRY GROUP
(Millions of dollars)

Industry	Seasonally adjusted						Not seasonally adjusted				
	Monthly			Percent Change			Monthly				Percent change
	Nov. 1991[p]	Oct. 1991[r]	Sept. 1991	Oct.-Nov.	Sept.-Oct.	Aug.-Sept.	Nov. 1991[p]	Oct. 1991[r]	Sept. 1991	Nov. 1990	Nov. 91/90
MATERIALS AND SUPPLIES											
All manufacturing industries	115,869	116,379	116,311	-0.4	+0.1	+0.1	115,813	116,370	115,819	120,804	-4
Durable goods industries	66,575	66,823	67,027	-0.4	-0.3	+0.1	66,578	67,003	67,142	70,989	-6
Stone, clay, and glass products	2,463	2,466	2,490	-0.1	-1.0	-0.4	2,439	2,456	2,463	2,519	-3
Primary metals	6,824	6,970	6,896	-2.1	+1.1	+1.1	6,945	7,102	7,038	7,530	-7
Fabricated metal products	8,079	8,009	7,966	+0.9	+0.5	-0.1	7,985	7,930	7,949	8,538	-6
Industrial machinery and equipment	12,265	12,329	12,472	-0.5	-1.1	-1.3	12,243	12,368	12,494	13,265	-7
Electronic and other electrical equipment	8,618	8,709	8,840	-1.0	-1.5	-1.7	8,568	8,703	8,817	9,674	-11
Transportation equipment	14,387	14,373	14,275	+0.1	+0.7	+1.3	14,331	14,329	14,218	14,735	-2
Instruments and related products	5,799	5,806	5,800	-0.1	+0.1	+1.0	5,752	5,752	5,786	5,859	-1
Lumber, furniture and miscellaneous durable goods	8,140	8,161	8,288	-0.3	-1.5	+1.0	8,315	8,363	8,377	8,869	-6
Nondurable goods industries	49,294	49,556	49,284	-0.5	+0.6	+0.1	49,235	49,367	48,677	49,815	-1
Food and kindred products	9,309	9,486	9,599	-1.9	-1.2	+1.0	9,707	9,690	9,231	9,931	-2
Tobacco products	4,343	4,391	4,410	-1.1	-0.4	-1.3	4,304	4,290	4,296	4,089	+5
Textile mill products	2,458	2,463	2,400	-0.2	+2.6	+1.1	2,347	2,377	2,347	2,355	-0
Paper and allied products	7,028	7,069	6,892	-0.6	+2.6	+0.7	6,971	6,967	6,883	7,023	-0
Chemicals and allied products	10,965	11,038	10,960	-0.7	+0.7	-1.4	10,902	11,014	10,875	10,827	+0
Petroleum and coal products	3,342	3,323	3,357	+0.6	-1.0	-0.4	3,328	3,341	3,301	3,514	-5
Rubber and plastics products	4,022	4,055	4,024	-0.8	+0.8	-0.2	4,044	4,067	4,036	4,408	-8
Apparel, printing and publishing and leather goods	7,827	7,731	7,642	+1.2	+1.2	+1.5	7,632	7,621	7,708	7,668	-0
WORK IN PROCESS											
All manufacturing industries	137,957	138,312	139,548	-0.3	-0.9	+0.6	138,227	139,314	139,844	145,537	-5
Durable goods industries	115,392	115,492	116,762	-0.1	-1.1	+0.4	115,510	116,085	117,010	122,436	-5
Stone, clay, and glass products	1,052	1,045	1,054	+0.7	-0.9	-1.5	999	1,004	1,025	978	+2
Primary metals	8,511	8,590	8,837	-0.9	-2.8	-1.7	8,439	8,538	8,842	9,219	-8
Fabricated metal products	7,765	7,798	7,959	-0.4	-2.0	-0.7	7,846	7,821	7,950	8,541	-8
Industrial machinery and equipment	21,294	21,299	21,057	0.0	+1.1	-0.5	21,469	21,452	21,240	21,942	-2
Electronic and other electrical equipment	11,914	11,914	11,904	0.0	+0.1	-0.3	11,858	11,919	11,969	12,044	-1
Transportation equipment	48,342	48,004	48,970	+0.7	-2.0	+1.9	48,445	48,484	49,116	51,612	-6
Instruments and related products	12,195	12,419	12,551	-1.8	-1.1	-1.0	12,219	12,513	12,495	13,598	-10
Lumber, furniture and miscellaneous durable goods	4,319	4,423	4,430	-2.4	-0.2	+1.2	4,235	4,354	4,373	4,502	-5
Nondurable goods industries	22,565	22,820	22,786	-1.1	+0.1	+2.0	22,717	23,229	22,834	23,101	-1
Food and kindred products	3,489	3,449	3,497	+1.2	-1.4	+4.2	3,666	3,685	3,485	3,661	+0
Tobacco products	199	181	177	+9.9	+2.3	-0.6	271	269	203	226	+19
Textile mill products	2,470	2,534	2,555	-2.5	-0.8	+1.7	2,432	2,529	2,554	2,470	-1
Paper and allied products	1,237	1,225	1,246	+1.0	-1.7	-1.5	1,211	1,198	1,227	1,360	-11
Chemicals and allied products	5,422	5,536	5,373	-2.1	+3.0	+1.6	5,418	5,535	5,342	5,189	+4
Petroleum and coal products	2,738	2,775	2,977	-1.3	-6.8	+7.8	2,781	2,884	2,984	3,116	-10
Rubber and plastics products	1,564	1,608	1,556	-2.7	+3.3	+0.5	1,580	1,618	1,565	1,672	-5
Apparel, printing and publishing and leather goods	5,446	5,512	5,405	-1.2	+2.0	-0.4	5,358	5,511	5,474	5,407	-0
FINISHED GOODS											
All manufacturing industries	124,153	123,373	122,978	+0.6	+0.3	+0.3	123,321	122,487	121,782	124,875	-1
Durable goods industries	60,477	60,501	60,521	0.0	0.0	+0.3	59,822	59,601	59,071	62,015	-3
Stone, clay, and glass products	4,436	4,349	4,361	+2.0	-0.3	-1.3	4,316	4,187	4,214	4,357	-0
Primary metals	6,245	6,227	6,214	+0.3	+0.2	-0.7	6,181	6,096	6,117	6,736	-8
Fabricated metal products	7,201	7,152	7,076	+0.7	+1.1	-0.6	7,017	6,987	6,877	7,513	-6
Industrial machinery and equipment	12,569	12,820	13,051	-2.0	-1.8	+0.9	12,397	12,643	12,643	13,291	-6
Electronic and other electrical equipment	8,236	8,263	8,291	-0.3	-0.3	+0.7	8,073	8,150	8,095	8,524	-5
Transportation equipment	9,259	9,313	9,213	-0.6	+1.1	-0.9	9,529	9,425	9,001	8,753	+8
Instruments and related products	5,283	5,257	5,255	+0.5	0.0	+1.3	5,282	5,239	5,179	5,342	-1.
Lumber, furniture and miscellaneous durable goods	7,248	7,120	7,060	+1.8	+0.8	+2.1	7,027	6,874	6,945	7,499	-6.
Nondurable goods industries	63,676	62,872	62,457	+1.3	+0.7	+0.4	63,499	62,886	62,711	62,860	+1.
Food and kindred products	16,184	15,917	15,398	+1.7	+3.4	+1.9	16,942	16,846	16,359	15,735	+7.
Tobacco products	1,195	1,310	1,305	-8.8	+0.4	+0.2	1,128	1,397	1,245	936	+20.
Textile mill products	3,705	3,754	3,789	-1.3	-0.9	+2.6	3,578	3,678	3,727	3,852	-7.
Paper and allied products	5,191	5,074	5,015	+2.3	+1.2	+0.5	5,072	4,864	4,828	4,717	+7.
Chemicals and allied products	16,498	16,056	16,189	+2.8	-0.8	+0.8	16,369	15,716	15,740	15,914	+2.
Petroleum and coal products	5,425	5,304	5,444	+2.3	-2.6	-2.0	5,565	5,421	5,569	6,790	-18.
Rubber and plastics products	5,704	5,611	5,673	+1.7	-1.1	-1.8	5,540	5,398	5,504	5,649	-1.
Apparel, printing and publishing and leather goods	9,774	9,846	9,644	-0.7	+2.1	-0.6	9,305	9,566	9,739	9,267	+0.

[p] Prelimary. [r] Revised.

Table 8. RATIOS OF MANUFACTURES' INVENTORIES TO SHIPMENTS AND UNFILLED ORDERS TO SHIPMENTS, BY INDUSTRY GROUP
(Based on seasonally adjusted data)

Industry	Inventory / Shipments ratio				Unfilled Orders / Shipments ratio[1]			
	Nov. 1991[p]	Oct. 1991[r]	Sept. 1991[r]	Aug. 1991	Nov. 1991[p]	Oct. 1991[r]	Sept. 1991	Aug. 1991
All manufacturing industries	1.53	1.54	1.56	1.56	3.78	3.82	3.88	3.92
rable goods industries	1.91	1.92	1.96	1.96	4.61	4.67	4.74	4.80
tone, clay, and glass products	1.66	1.66	1.63	1.64	1.45	1.52	1.46	1.42
rimary metals	1.99	2.03	2.02	2.05	1.97	1.98	1.99	2.01
abricated metal products	1.45	1.46	1.50	1.50	1.81	1.84	1.91	1.91
ndustrial machinery and equipment	2.16	2.21	2.25	2.28	2.64	2.73	2.81	2.80
lectronic and other electrical equipment	1.61	1.66	1.67	1.70	2.63	2.70	2.71	2.77
ransportation equipment	2.12	2.07	2.14	2.15	12.27	11.96	12.16	12.57
nstruments and related products	2.27	2.33	2.37	2.29	5.53	5.76	5.83	5.67
ndurable goods industries	1.14	1.14	1.15	1.14	0.75	0.75	0.75	0.74
ood and kindred products	0.86	0.86	0.86	0.84	(X)	(X)	(X)	(X)
obacco products	1.94	2.26	2.28	2.34	(X)	(X)	(X)	(X)
extile mill products	1.51	1.53	1.55	1.53	(NA)	(NA)	(NA)	(NA)
aper and allied products	1.32	1.31	1.27	1.28	(NA)	(NA)	(NA)	(NA)
hemicals and allied products	1.38	1.34	1.35	1.35	(X)	(X)	(X)	(X)
etroleum and coal products	0.83	0.82	0.88	0.85	(X)	(X)	(X)	(X)
ubber and plastics products	1.43	1.40	1.40	1.43	(X)	(X)	(X)	(X)

[p] Preliminary. [r] Revised. (X) Not applicable. (NA) Not available.

[1] Excludes the following industries with no unfilled orders : Wood and lumber products; glass containers; metal cans, barrels and drums; farm and garden machinery; motor vehicle assembly erations; other transportation equipment; foods and related products; tobacco; knitting mill products; apparel and related products; chemicals; petroleum and coal products; and rubber and plastics oducts.

Table 9. AVERAGE REVISIONS TO PREVIOUSLY PUBLISHED MONTHLY PERCENT CHANGES
(Based on seasonally adjusted data)

Industry	Shipments			New orders			Unfilled orders			Inventories		
	Nov. 1990	Nov.[1] 1986-1990	Nov. 1990-Oct. 1991	Nov. 1990	Nov.[1] 1986-1990	Nov. 1990-Oct. 1991	Nov. 1990	Nov.[1] 1986-1990	Nov. 1990-Oct. 1991	Nov. 1990	Nov.[1] 1986-1990	Nov. 1990-Oct. 1991
All manufacturing industries	0.0	0.1	0.2	0.1	0.3	0.2	0.0	0.1	0.1	0.0	0.1	0.1
rable goods industries	0.0	0.2	0.3	0.2	0.4	0.3	0.1	0.1	0.1	0.1	0.1	0.1
tone, clay, and glass products	0.2	0.6	0.9	0.9	0.6	1.1	0.6	1.1	0.4	0.3	0.2	0.3
rimary metals	0.0	0.7	0.4	0.2	1.0	0.9	0.1	0.3	0.2	0.0	0.2	0.1
abricated metal products	0.1	0.6	0.5	0.2	0.7	0.6	0.0	0.1	0.2	0.1	0.1	0.3
ndustrial machinery and equipment	0.1	1.1	0.6	0.2	1.2	0.7	0.1	0.2	0.2	0.1	0.2	0.1
lectronic and other electrical equipment	0.2	0.1	0.3	0.4	0.4	1.3	0.1	0.1	0.4	0.0	0.1	0.1
ransportation equipment	0.2	0.2	0.5	0.1	0.5	0.4	0.0	0.1	0.0	0.0	0.3	0.3
nstruments and related products	0.1	0.8	0.5	0.8	1.6	1.9	0.4	0.4	0.1	0.0	0.3	0.1
ndurable goods industries	0.0	0.1	0.2	0.0	0.2	0.2	0.1	0.2	0.2	0.1	0.1	0.1
ood and kindred products	0.0	0.2	0.2	(X)	(X)	(X)	(X)	(X)	(X)	0.4	0.2	0.2
obacco products	0.0	0.3	0.7	(X)	(X)	(X)	(X)	(X)	(X)	0.0	0.0	0.0
extile mill products	0.2	0.7	0.6	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	0.1	0.3	0.1
aper and allied products	0.0	0.3	0.4	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	0.1	0.2	0.3
hemicals and allied products	0.0	0.4	0.3	(X)	(X)	(X)	(X)	(X)	(X)	0.1	0.1	0.1
etroleum and coal products	0.1	0.6	0.6	(X)	(X)	(X)	(X)	(X)	(X)	0.0	0.5	0.1
ubber and plastics products	0.4	0.8	0.6	(X)	(X)	(X)	(X)	(X)	(X)	0.0	0.4	0.1
pital goods industries :												
ondefense	0.0	0.6	0.4	0.2	0.8	0.8	0.0	0.0	0.0	0.1	0.2	0.3
efense	0.0	0.0	0.8	0.3	1.1	3.3	0.0	0.1	0.1	0.0	0.1	0.1

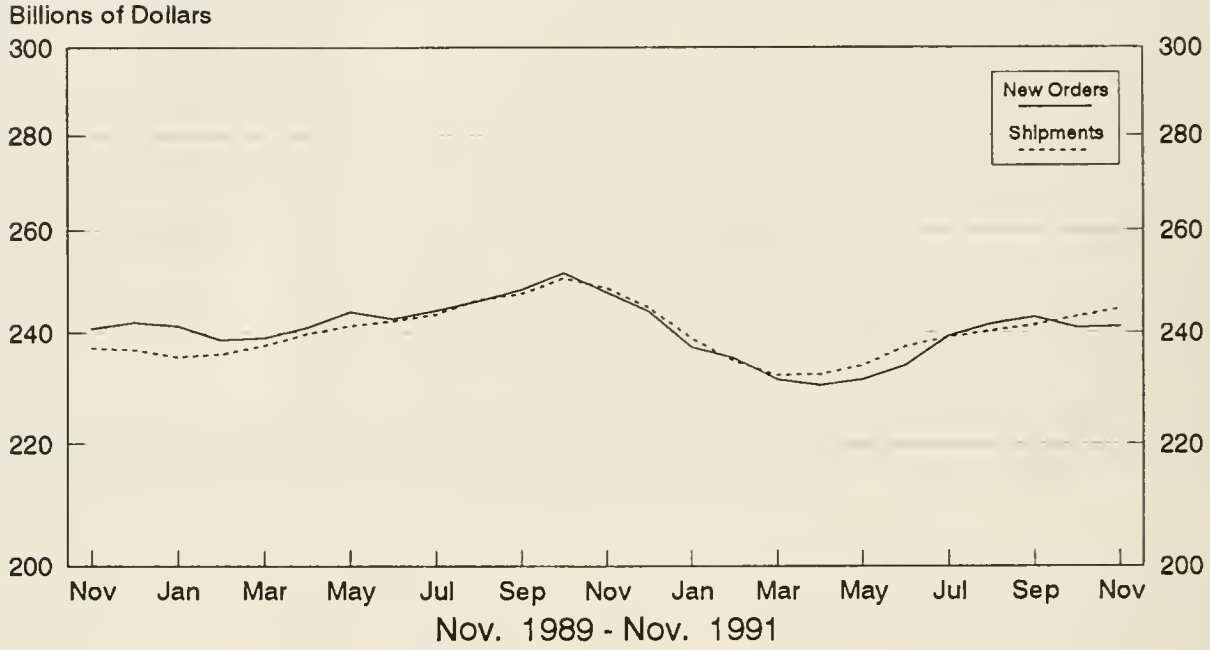
(X) Not applicable. (NA) Not available.

Note : The revisions are the differences between the month-to-month percent changes of the preliminary and final estimates. The monthly averages are the simple averages of the absolute values the differences for the months specified. The advance to final percent change revisions for the durable goods industries are shown in the advance report for the month.

[1] Average for this month for the last five years.

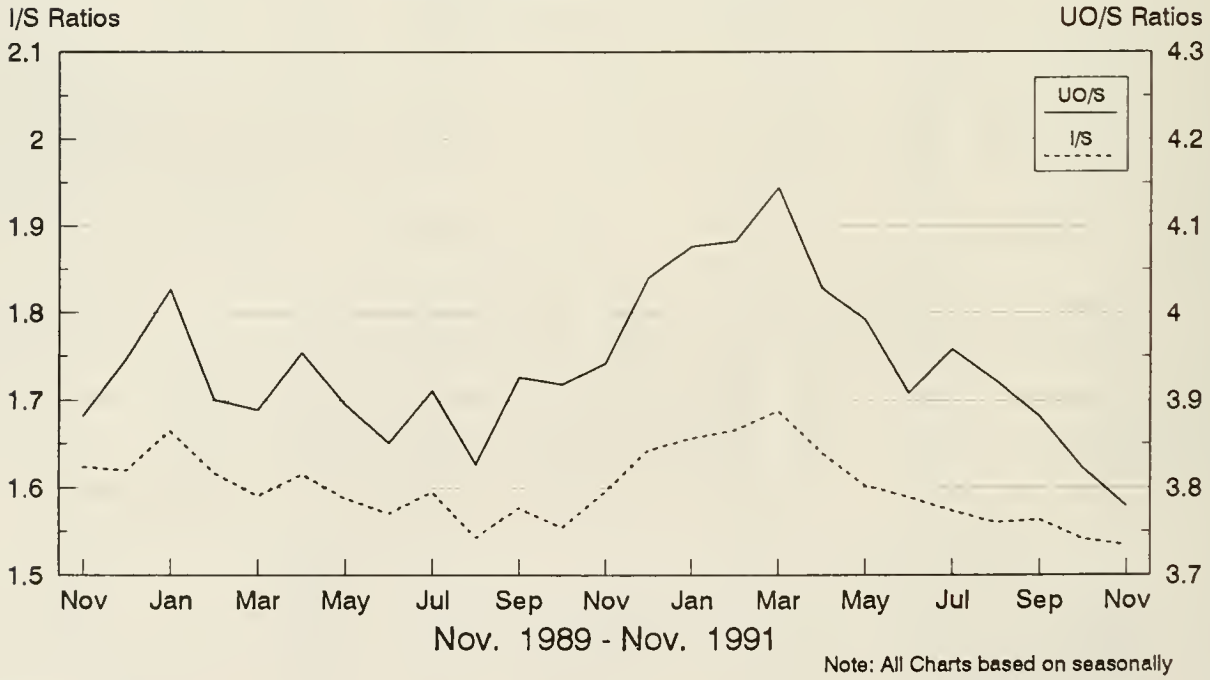
Total Manufacturing

New Orders and Shipments
Three Month Moving Averages



Total Manufacturing

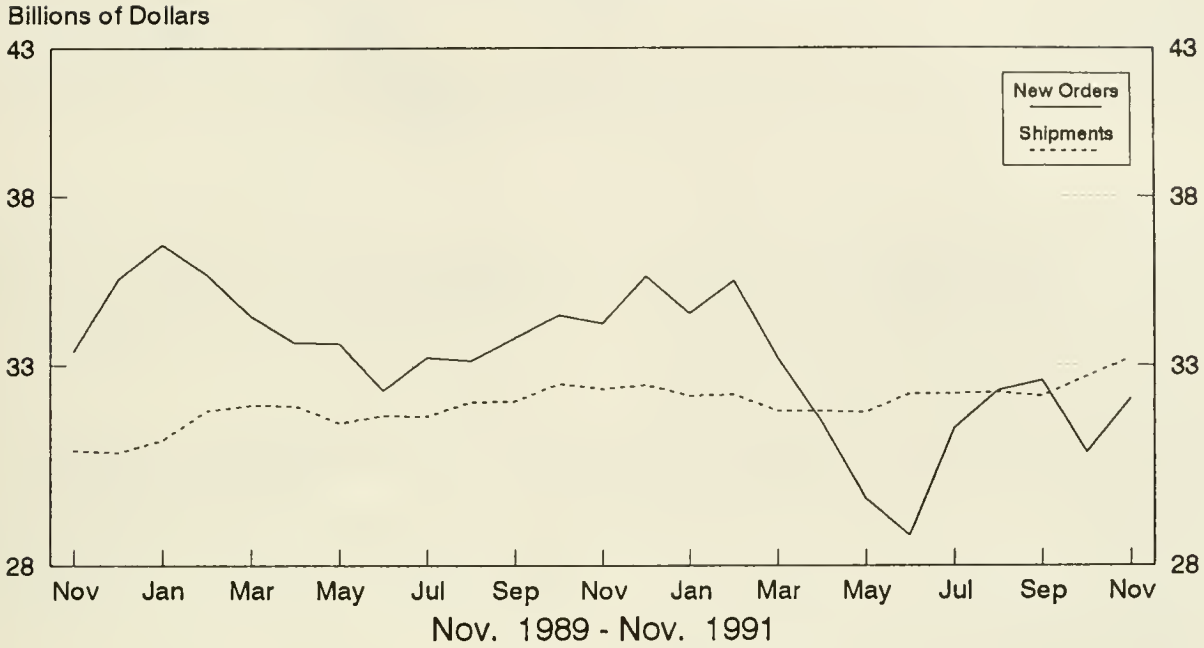
Ratio of Unfilled Orders and
Inventories to Shipments



Note: All Charts based on seasonally adjusted current dollars.

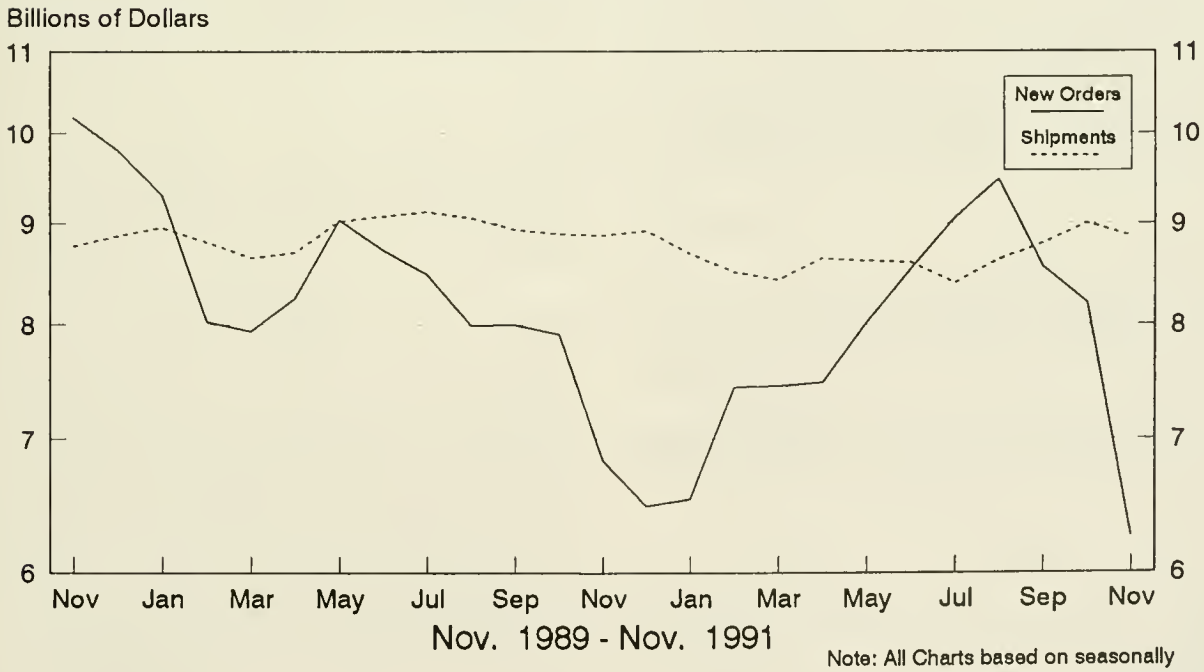
NonDefense Capital Goods

New Orders and Shipments
Three Month Moving Averages



Defense Capital Goods

New Orders and Shipments
Three Month Moving Averages



Note: All Charts based on seasonally adjusted current dollars.

U.S. Department of Commerce
BUREAU OF THE CENSUS
Washington, D.C. 20233

Official Business
Penalty for Private Use, $300

U.S.MAIL

POSTAGE AND FEES P
U S DEPARTMENT OF COMMER
COM-2

First Class Mail

PUBLICATION DATES FOR THE 1992 MONTHLY M3 SURVEY MANUFACTURERS' SHIPMENTS, INVENTORIES, AND ORDERS

Report Covering	Advance Report Release Dates (8:30 a.m. release time)	Regular Report Release Dates (10:00 a.m. release time)
December 1991	Thurs., Jan. 30	Tues., Feb. 6
January 1992	Wed., Feb. 26	Wed., Mar. 4
February 1992	Wed., Mar. 25	Thurs., Apr. 2
March 1992	Thurs., Apr. 23	Thurs., Apr. 30
April 1992	Wed., May 27	Wed., June 3
May 1992	Wed., June 24	Thurs., July 2
June 1992	Thurs., July 24	Fri., July 31
July 1992	Wed., Aug. 26	Wed., Sept 2
August 1992	Fri., Sept. 25	Fri., Oct. 2
September 1992	Wed., Oct. 28	Wed., Nov. 4
October 1992	Tues., Nov. 24	Thurs., Dec. 3
November 1992	Wed., Dec. 23	Thurs., Dec. 31

C3.158:M 3-1-(91)-12
Current Industrial Report...

SUPERINTENDENT OF DOCUMENTS DEPOSITORY
MAY 2 1992
PUBLIC LIBRARY
GOVERNMENT DOCUMENTS DEPARTMENT

Manufacturers' Shipments, Inventories, and Orders

U. S. Department of Commerce
BUREAU OF THE CENSUS

December 1991
M3-1-(91)-12
For Wire Transmissions 10:00 a.m. E.S.T. Thursday, February 6, 1992

(All figures in text are in seasonally adjusted current dollars)

Summary

New orders for manufactured goods in December decreased $9.3 billion or 3.8 percent to $233.8 billion, the Department of Commerce, Bureau of the Census reported today. The December decrease follows increases of 0.4 percent in November and 1.9 percent in October. Both durable and nondurable goods were down in December.

Shipments were down $9.3 billion or 3.8 percent to $236.2 billion. This is the first decrease since a 1.9 percent decline in March 1991. Both durable and nondurable goods were down in December.

Unfilled orders in December decreased $2.4 billion or 0.5 percent to $510.9 billion and are at the lowest level since $506.2 billion in October 1989. This is the fourth monthly decline in a row and the tenth in the last twelve months.

Inventories were down $2.0 billion or 0.5 percent to $375.9 billion and are at the lowest level since $374.6 billion in March 1989. The inventories-to-shipments ratio in December increased to 1.59 from 1.54 in November for the first increase since March 1991.

New orders for the year totaled $2,843.6 billion, down 2.7 percent from 1990. Shipments totaled $2,859.9 billion, down 1.9 percent from 1990. Unfilled orders at the end of December were $510.9 billion, down 3.1 percent from 1990. Inventories at the end of December were $375.9 billion, down 3.3 percent from 1990.

New Orders

New orders for durable goods in December decreased $6.5 billion or 5.2 percent to $117.5 billion. The December decrease follows increases of 0.6 percent in November and 2.7 percent in October. Excluding defense, new orders were down $10.9 billion or 9.2 percent.

New orders for transportation equipment accounted for the largest decrease, down $4.7 billion or 14.0 percent to $28.9 billion, with decreases in all of its industry categories except shipbuilding and tanks. Other major industry groups in durable goods with large decreases were primary metals, down $1.0 billion or 8.9 percent to $9.8 billion, industrial machinery and equipment, down $0.6 billion or 2.8 percent to $19.9 billion, and fabricated metal products, down $0.6 billion or 3.7 percent to $15.1 billion. Increases occurred in electronic and other electrical equipment, up $0.6 billion, and stone, clay, and glass products, up $0.1 billion. New orders for nondurable goods decreased $2.8 billion or 2.4 percent to $116.3 billion. Except for a 0.1 percent increase in paper and allied products, all nondurable goods major industry groups were down.

Shipments

Shipments of durable goods in December decreased $6.5 billion or 5.1 percent to $120.0 billion. This is the first decline since a 2.5 percent decrease in March 1991. Excluding transportation equipment, shipments were down $2.6 billion or 2.8 percent to $90.4 billion. All durable goods major industry groups decreased in December. The largest decline occurred in transportation equipment, down $3.9 billion or 11.8 percent to $29.6 billion, with decreases in all of its industry categories except railroad equipment. Industrial machinery and equipment dropped $0.8 billion or 3.5 percent to $20.5 billion, and fabricated metal products was down $0.7 billion or 4.2 percent to $15.2 billion.

Shipments of nondurable goods decreased $2.8 billion or 2.3 percent to $116.2 billion. All major industry groups in the nondurable goods sector declined. The largest decreases occurred in tobacco, down $0.7 billion, petroleum and coal products, down $0.7 billion, and food and kindred products, down $0.6 billion.

Unfilled Orders

Unfilled orders for durable goods in December decreased $2.5 billion or 0.5 percent to $488.9 billion and are at the lowest level since $484.6 billion in October 1989. This is the fourth consecutive monthly decline. Excluding defense, unfilled orders decreased $3.6 billion or 1.0 percent to $344.1 billion. The largest decreases occurred in instruments and related products, down $1.1 billion, transportation equipment, down $0.7 billion, primary metals, down $0.7 billion, and industrial machinery and equipment, down $0.6 billion. Unfilled orders for nondurable goods increased $0.1 billion or 0.5 percent to $22.0 billion.

Inventories

Inventories for durable goods in December were down $1.9 billion or 0.8 percent to $240.4 billion. This is the lowest level since $237.6 billion in November 1988. The largest decreases were in transportation equipment, down $0.8 billion, industrial machinery and equipment, down $0.6 billion, and fabricated metal products, down $0.4 billion. Nondurable goods declined $0.1 billion or 0.1 percent to $135.5 billion, as declines in petroleum and coal products and rubber and plastics products more than offset increases in all of the other nondurable goods major industry groups.

By stage of fabrication, finished-goods inventories were down 0.5 percent in durables and 0.4 percent in nondurables. Work in process was down 0.8 percent in durables and 0.9 percent in nondurables. Materials and supplies decreased 0.9 percent in durables and increased 0.8 percent in nondurables.

The advance report on durable goods for January is scheduled for February 26, 1992 at 8:30 a.m. and the full report on March 4, 1992 at 10:00 a.m. Address inquiries concerning these figures to U.S. Department of Commerce, Bureau of the Census, Industry Division, Washington, DC 20233 or call Steve Andrews or Kathleen Menth, (301) 763-2502 or (301) 763-2575.For sale by the Superintendent of Documents, U.S. Government Printing Office, Washington, DC 20402. This report is also available the day of issue through the Department of Commerce's online Economic Bulletin Board (N-8-1) (202-377-3870) and through the Census Bureau's online information service-CENDATA. CENDATA is available from Dialog Information Services, INC. (1-800-334-2464) and CompuServe (1-800-848-8199). The CENDATA staff at the Bureau of the Census (301-763-2074) can provide content information and general guidance.

Table 1. VALUE OF MANUFACTURERS' SHIPMENTS FOR INDUSTRY GROUPS
(Millions of dollars)

Industry	Seasonally adjusted						Not seasonally adjusted[1]						
	Monthly			Percent Change			Monthly				Percent change	Year to date	
	Dec. 1991[p]	Nov. 1991[r]	Oct. 1991	Nov.-Dec.	Oct.-Nov.	Sept.-Oct.	Dec. 1991[p]	Nov. 1991[r]	Oct. 1991	Dec. 1990	Dec. 91/90	1991[p]	1990
All manufacturing industries	236,207	245,480	245,134	-3.8	+0.1	+1.2	230,562	245,363	253,919	234,271	-1.6	2,863,653	2,917,465
Manufacturing industries with unfilled orders	130,066	135,194	134,856	-3.8	+0.3	+1.0	130,697	135,424	139,101	133,076	-1.8	1,575,729	1,612,652
Durable goods industries	120,031	126,547	126,404	-5.1	+0.1	+1.2	118,737	125,777	130,927	119,684	-0.8	1,459,285	1,504,650
With unfilled orders	101,570	106,311	105,814	-4.5	+0.5	+0.9	103,081	105,987	108,701	105,017	-1.8	1,233,168	1,260,879
Stone, clay, and glass products	4,604	4,738	4,744	-2.8	-0.1	-2.2	3,971	4,754	5,138	4,197	-5.4	56,472	62,897
Primary metals	10,435	10,717	10,754	-2.6	-0.3	-0.9	9,420	10,563	11,237	10,578	-10.9	127,856	144,185
Blast furnaces, steel mills	4,287	4,352	4,451	-1.5	-2.2	-0.6	3,897	4,257	4,622	4,198	-7.2	51,789	58,921
Iron and steel foundries	806	863	873	-6.6	-1.1	+0.2	651	858	962	647	+0.6	10,281	11,385
Nonferrous and other primary metals	5,342	5,502	5,430	-2.9	+1.3	-1.4	4,872	5,448	5,653	5,733	-15.0	65,786	73,879
Fabricated metal products	15,175	15,847	15,716	-4.2	+0.8	+2.8	13,880	15,525	16,593	14,304	-3.0	181,226	188,115
Industrial machinery and equipment	20,487	21,237	20,979	-3.5	+1.2	+1.4	22,614	20,278	20,731	23,834	-5.1	250,102	263,573
Engines and turbines	1,534	1,526	1,522	+0.5	+0.3	+0.3	2,112	1,511	1,425	1,841	+14.7	17,800	16,218
Farm and garden machinery	1,134	1,170	1,178	-3.1	-0.7	-3.8	1,140	1,045	1,211	1,488	-23.4	14,965	17,638
Construction, mining and material handling equipment	2,519	2,436	2,678	+3.4	-9.0	-11.2	2,350	2,429	2,706	2,617	-10.2	32,731	33,254
Metalworking machinery	1,892	1,804	1,750	+4.9	+3.1	-3.7	1,936	1,813	1,917	2,135	-9.3	21,223	24,479
Computer and office equipment	5,782	6,435	6,171	-10.1	+4.3	+12.3	8,089	6,084	5,613	8,336	-3.0	70,469	71,686
Electronic and other electrical equipment	17,871	17,876	17,389	0.0	+2.8	+0.3	18,421	18,315	17,501	16,925	+8.8	205,866	200,430
Electrical transmission and distribution equipment and industrial apparatus	2,393	2,273	2,247	+5.3	+1.2	-4.3	2,354	2,198	2,212	2,135	+10.3	27,682	28,447
Household appliances	1,637	1,701	1,582	-3.8	+7.5	+1.3	1,454	1,582	1,590	1,429	+1.7	18,639	18,376
Electric lighting and wiring equipment	1,330	1,349	1,311	-1.4	+2.9	-0.8	1,386	1,441	1,344	1,382	+0.3	15,698	15,367
Household audio and video equipment	937	1,012	975	-7.4	+3.8	+1.4	907	1,235	1,228	817	+11.0	10,720	9,343
Communications equipment	4,314	4,346	4,332	-0.7	+0.3	+2.0	5,316	4,377	3,998	4,639	+14.6	50,033	47,113
Electronic components	5,510	5,509	5,378	0.0	+2.4	+2.6	5,240	5,519	5,351	4,921	+6.5	63,499	62,046
Transportation equipment	29,624	33,573	34,713	-11.8	-3.3	+2.6	28,968	33,836	36,554	28,476	+1.7	375,271	377,319
Motor vehicles and parts	17,651	19,836	20,954	-11.0	-5.3	+4.6	14,367	20,181	23,388	11,784	+21.9	219,909	226,050
Aircraft, missiles, space vehicles, and parts	10,214	11,837	11,800	-13.7	+0.3	+0.1	12,780	11,844	11,150	14,710	-13.1	132,772	127,767
Shipbuilding and tanks	803	964	1,108	-16.7	-13.0	+8.3	995	952	1,117	1,168	-14.8	11,977	11,585
Instruments and related products	9,878	10,235	10,078	-3.5	+1.6	+1.1	10,763	10,391	10,124	10,810	-0.4	119,596	120,219
Search and navigation equipment	2,637	2,997	2,945	-12.0	+1.8	+6.1	3,328	3,219	2,919	3,874	-14.1	34,859	36,896
Measuring and controlling devices	2,396	2,410	2,374	-0.6	+1.5	+2.0	2,418	2,354	2,393	2,336	+3.5	27,885	28,785
Medical instruments and supplies	2,581	2,601	2,572	-0.8	+1.1	+0.6	2,635	2,525	2,523	2,366	+11.4	30,059	27,964
Photographic goods	1,930	1,911	1,911	+1.0	0.0	-3.1	2,073	1,986	1,999	1,979	+4.7	23,229	23,373
All other durable goods	11,957	12,324	12,031	-3.0	+2.4	-0.9	10,700	12,115	13,049	10,560	+1.3	142,896	147,912
Nondurable goods industries	116,176	118,933	118,730	-2.3	+0.2	+1.2	111,825	119,586	122,992	114,587	-2.4	1,404,368	1,412,815
With unfilled orders	28,496	28,883	29,042	-1.3	-0.5	+1.1	27,616	29,437	30,400	28,059	-1.6	342,561	351,773
Food and kindred products	33,330	33,897	33,379	-1.7	+1.6	+0.4	32,721	33,738	34,441	33,005	-0.9	398,129	397,090
Meat products	7,467	7,947	7,763	-6.0	+2.4	-2.3	7,452	7,727	8,055	8,200	-9.1	95,243	97,111
Dairy products	4,645	4,644	4,609	0.0	+0.8	+0.5	4,478	4,677	4,573	4,322	+3.6	54,133	55,567
Beverages	4,726	4,512	4,541	+4.7	-0.6	-0.4	4,239	4,276	4,431	4,238	0.0	53,910	53,028
All other foods, except fats and oils	14,911	15,269	14,956	-2.3	+2.1	+2.4	14,971	15,533	15,872	14,695	+1.9	177,219	173,568
Tobacco products	2,275	3,010	2,597	-24.4	+15.9	+0.5	2,828	3,454	2,390	2,346	+20.5	30,045	28,161
Textile mill products	5,502	5,661	5,736	-2.8	-1.3	+1.8	5,049	5,840	6,194	4,655	+8.5	64,408	63,535
Broadwoven fabrics and other textiles	3,335	3,390	3,415	-1.6	-0.7	+0.4	3,175	3,411	3,605	2,851	+11.4	38,717	38,378
Paper and allied products	10,187	10,199	10,234	-0.1	-0.3	-0.8	9,795	9,953	10,411	10,093	-3.0	122,219	128,761
Pulp, paper, and paperboard mill products	4,240	4,305	4,354	-1.5	-1.1	+0.4	4,172	4,220	4,370	4,529	-7.9	52,111	56,065
Paperboard containers and boxes	2,332	2,348	2,329	-0.7	+0.8	+1.7	2,185	2,277	2,436	2,211	-1.2	27,481	29,182
Miscellaneous converted paper products	3,615	3,546	3,551	+1.9	-0.1	-3.8	3,438	3,456	3,605	3,353	+2.5	42,627	43,514
Chemicals and allied products	23,774	23,809	24,354	-0.1	-2.2	+1.4	22,670	23,034	24,115	23,031	-1.6	288,098	285,612
Industrial chemicals	12,121	12,320	12,620	-1.6	-2.4	0.0	11,491	12,059	12,684	12,492	-8.0	151,737	156,282
Drugs, soaps, and toiletries	9,078	8,991	9,092	+1.0	-1.1	+2.8	8,960	8,790	9,076	8,244	+8.7	104,734	97,593
Petroleum and coal products	13,041	13,712	13,826	-4.9	-0.8	+3.6	12,985	14,271	14,587	16,080	-19.2	167,346	179,357
Rubber and plastics products	7,720	7,920	8,032	-2.5	-1.4	-0.4	6,942	7,487	8,388	6,684	+3.9	92,587	91,657
All other nondurable goods	20,347	20,725	20,572	-1.8	+0.7	+2.6	18,835	21,809	22,466	18,693	+0.8	241,536	238,642

[p] Preliminary. [r] Revised.

[1] Shipments and new orders are the totals for the period and are adjusted for trading-day and calendar-month variations.

Table 2. VALUE OF MANUFACTURERS' NEW ORDERS FOR INDUSTRY GROUPS
(Millions of dollars)

	Seasonally adjusted						Not seasonally adjusted[1]						
	Monthly			Percent Change			Monthly				Percent change	Year to date	
	Dec. 1991[p]	Nov. 1991[r]	Oct. 1991	Nov.-Dec.	Oct.-Nov.	Sept.-Oct.	Dec. 1991[p]	Nov. 1991[r]	Oct. 1991	Dec. 1990	Dec. 91/90	1991[p]	1990
All manufacturing industries	233,832	243,138	242,230	-3.8	+0.4	+1.9	229,264	242,579	249,441	237,406	-3.4	2,847,271	2,923,715
Manufacturing industries with unfilled orders	127,691	132,852	131,952	-3.9	+0.7	+2.3	129,399	132,640	134,623	136,211	-5.0	1,559,347	1,618,902
Durable goods industries	117,545	124,046	123,325	-5.2	+0.6	+2.7	117,542	123,343	126,956	123,043	-4.5	1,441,726	1,511,501
With unfilled orders	99,084	103,810	102,735	-4.6	+1.0	+2.7	101,886	103,553	104,730	108,376	-6.0	1,215,609	1,267,730
Stone, clay, and glass products	4,611	4,491	4,852	+2.7	-7.4	-2.8	3,940	4,464	5,156	4,170	-5.5	57,547	62,817
Primary metals	9,759	10,714	10,493	-8.9	+2.1	-3.0	9,535	10,552	10,500	10,457	-8.8	125,723	143,388
Blast furnaces, steel mills	3,586	4,138	4,453	-13.3	-7.1	-0.7	3,676	3,971	4,413	4,014	-8.4	50,965	58,201
Iron and steel foundries	804	810	836	-0.7	-3.1	+2.6	615	778	934	562	+9.4	9,879	11,808
Nonferrous and other primary metals	5,369	5,766	5,204	-6.9	+10.8	-5.8	5,244	5,803	5,153	5,881	-10.8	64,879	73,379
Fabricated metal products	15,078	15,652	15,469	-3.7	+1.2	+1.8	13,960	15,190	16,125	14,444	-3.4	180,014	187,049
Industrial machinery and equipment	19,912	20,491	20,259	-2.8	+1.1	-3.5	21,686	19,834	19,934	22,266	-2.6	245,516	261,443
Engines and turbines	1,327	1,386	1,565	-4.3	-11.4	-29.1	1,810	1,538	1,554	1,500	+20.7	18,706	17,421
Construction, mining and material handling equipment	2,593	2,394	2,484	+8.3	-3.6	-17.6	2,552	2,419	2,514	2,491	+2.4	31,304	32,797
Metalworking machinery	2,224	1,895	1,521	+17.4	+24.6	-20.7	2,268	1,904	1,688	2,212	+2.5	21,336	23,829
Computer and office equipment	5,134	6,032	5,833	-14.9	+3.4	+10.6	6,860	5,810	5,297	7,286	-5.8	69,089	71,180
Electronic and other electrical equipment	18,254	17,642	17,431	+3.5	+1.2	+3.6	18,626	17,905	17,334	17,970	+3.7	203,644	201,261
Electrical transmission and distribution equipment and industrial apparatus	2,365	2,132	2,324	+10.9	-8.3	+6.1	2,312	2,035	2,270	2,263	+2.2	27,497	28,499
Electric lighting and wiring equipment	1,391	1,315	1,292	+5.8	+1.8	-1.4	1,447	1,407	1,325	1,390	+4.1	16,005	15,538
Communications equipment	4,725	3,821	4,336	+23.7	-11.9	+7.9	5,628	3,950	3,972	5,923	-5.0	47,285	48,181
Electronic components	5,647	6,055	5,245	-6.7	+15.4	+1.3	5,412	5,903	5,055	4,817	+12.4	63,780	61,379
Transportation equipment	28,917	33,618	32,648	-14.0	+3.0	+11.2	28,772	34,340	34,780	33,906	-15.1	370,785	393,599
Aircraft, missiles, space vehicles, and parts	10,079	12,664	10,125	-20.4	+25.1	+44.8	13,082	13,176	9,921	19,512	-33.0	130,067	145,798
Shipbuilding and tanks	770	370	929	+108.1	-60.2	(n)	817	297	840	1,753	-53.4	10,278	11,226
Instruments and related products	8,776	8,873	10,097	-1.1	-12.1	+4.6	10,410	9,308	10,379	9,821	+6.0	115,626	114,213
Search and navigation equipment	2,063	1,783	2,663	+15.7	-33.0	+1.5	3,493	2,335	2,933	3,170	+10.2	31,799	31,142
Measuring and controlling devices	2,407	2,475	2,387	-2.7	+3.7	+9.2	2,429	2,419	2,406	2,301	+5.6	27,833	28,507
Medical instruments and supplies	2,219	2,427	2,836	-8.6	-14.4	+8.8	2,273	2,351	2,787	2,206	+3.0	29,459	28,091
All other durable goods	12,238	12,565	12,076	-2.6	+4.0	-1.5	10,613	11,750	12,748	10,009	+6.0	142,871	147,731
Nondurable goods industries	116,287	119,092	118,905	-2.4	+0.2	+1.2	111,722	119,236	122,485	114,363	-2.3	1,405,545	1,412,214
With unfilled orders	28,607	29,042	29,217	-1.5	-0.6	+0.8	27,513	29,087	29,893	27,835	-1.2	343,738	351,172

[p] Preliminary. [r] Revised.

[1] Shipments and new orders are the totals for the period and are adjusted for trading-day and calendar-month variations.

(n) When new orders for a prior month are negative because of cancellations, the percentage change calculation is algebraically negative, even though there is a net dollar increase from the prior month to the current month.

Table 3. VALUE OF MANUFACTURERS' UNFILLED ORDERS FOR INDUSTRY GROUPS
(Millions of dollars)

Industry	Seasonally adjusted						Not seasonally adjusted				
	Monthly			Percent Change			Monthly				Percent change
	Dec. 1991[p]	Nov. 1991[r]	Oct. 1991	Nov.-Dec.	Oct.-Nov.	Sept.-Oct.	Dec. 1991[p]	Nov. 1991[r]	Oct. 1991	Dec. 1990	Dec. 91/90
All manufacturing industries	510,868	513,243	515,586	-0.5	-0.5	-0.6	507,690	508,988	511,772	524,072	-3.1
Durable goods industries	488,892	491,378	493,880	-0.5	-0.5	-0.6	486,572	487,767	490,201	504,131	-3.5
Stone, clay, and glass products	6,287	6,280	6,527	+0.1	-3.8	+1.7	6,159	6,190	6,480	5,084	+21.1
Primary metals	20,660	21,336	21,339	-3.2	0.0	-1.2	20,226	20,111	20,122	22,359	-9.5
Blast furnaces, steel mills	7,623	8,324	8,538	-8.4	-2.5	0.0	7,440	7,661	7,947	8,264	-10.0
Iron and steel foundries	2,691	2,693	2,746	-0.1	-1.9	-1.3	2,616	2,652	2,732	3,018	-13.3
Nonferrous and other primary metals	10,346	10,319	10,055	+0.3	+2.6	-2.2	10,170	9,798	9,443	11,077	-8.2
Fabricated metal products	26,271	26,368	26,563	-0.4	-0.7	-0.9	26,048	25,968	26,303	27,260	-4.4
Industrial machinery and equipment	52,688	53,263	54,009	-1.1	-1.4	-1.3	52,339	53,267	53,711	56,925	-8.1
Engines and turbines	8,601	8,808	8,948	-2.4	-1.6	+0.5	8,804	9,106	9,079	7,898	+11.5
Construction, mining and material handling equipment	6,624	6,550	6,592	+1.1	-0.6	-2.9	6,664	6,462	6,472	8,091	-17.6
Metalworking machinery	7,167	6,835	6,744	+4.9	+1.3	-3.3	7,167	6,835	6,744	7,054	+1.6
Computer and office equipment	10,702	11,350	11,753	-5.7	-3.4	-2.8	10,338	11,567	11,841	11,718	-11.8
Electronic and other electrical equipment	47,148	46,765	46,999	+0.8	-0.5	+0.1	46,421	46,216	46,626	48,643	-4.6
Electrical transmission and distribution equipment and industrial apparatus	6,465	6,493	6,634	-0.4	-2.1	+1.2	6,395	6,437	6,600	6,580	-2.8
Electric lighting and wiring equipment	2,374	2,313	2,347	+2.6	-1.4	-0.8	2,374	2,313	2,347	2,067	+14.9
Communications equipment	19,693	19,282	19,807	+2.1	-2.7	0.0	19,655	19,343	19,770	22,403	-12.3
Electronic components	14,419	14,282	13,736	+1.0	+4.0	-1.0	13,986	13,814	13,430	13,705	+2.1
Transportation equipment	272,805	273,512	273,468	-0.3	0.0	-0.7	273,022	273,218	272,714	277,508	-1.6
Aircraft, missiles, space vehicles, and parts	238,618	238,753	237,926	-0.1	+0.3	-0.7	238,953	238,651	237,319	241,658	-1.1
Shipbuilding and tanks	25,205	25,238	25,833	-0.1	-2.3	-0.7	25,072	25,250	25,905	26,772	-6.3
Instruments and related products	55,599	56,701	58,063	-1.9	-2.3	0.0	56,075	56,428	57,511	60,045	-6.6
Search and navigation equipment	39,277	39,851	41,065	-1.4	-3.0	-0.7	39,798	39,633	40,517	42,858	-7.1
Measuring and controlling devices	8,084	8,073	8,008	+0.1	+0.8	+0.2	8,084	8,073	8,008	8,136	-0.6
Medical instruments and supplies	7,461	7,823	7,997	-4.6	-2.2	+3.4	7,461	7,823	7,997	8,061	-7.4
All other durable goods	7,434	7,153	6,912	+3.9	+3.5	+0.7	6,282	6,369	6,734	6,307	-0.4
Nondurable goods industries	21,976	21,865	21,706	+0.5	+0.7	+0.8	21,118	21,221	21,571	19,941	+5.9

[p] Preliminary. [r] Revised.

Table 4. VALUE OF MANUFACTURERS' INVENTORIES FOR INDUSTRY GROUPS
(Millions of dollars)

Industry	Seasonally adjusted						Not seasonally adjusted				
	Monthly			Percent Change			Monthly				Percent change
	Dec. 1991[p]	Nov. 1991[r]	Oct. 1991	Nov.-Dec.	Oct.-Nov.	Sept.-Oct.	Dec. 1991[p]	Nov. 1991[r]	Oct. 1991	Dec. 1990	Dec. 91/90
All manufacturing industries	375,862	377,820	378,064	-0.5	-0.1	-0.2	369,341	377,403	378,171	382,135	-3.3
Manufacturing industries with unfilled orders	255,501	257,354	257,975	-0.7	-0.2	-0.4	249,199	256,167	257,517	261,084	-4.6
Durable goods industries	240,400	242,290	242,816	-0.8	-0.2	-0.6	235,080	241,914	242,689	247,615	-5.1
With unfilled orders	222,194	224,136	224,687	-0.9	-0.2	-0.6	216,899	223,558	224,739	228,280	-5.0
Stone, clay, and glass products	7,975	7,962	7,860	+0.2	+1.3	-0.6	7,869	7,766	7,647	8,018	-1.9
Primary metals	21,485	21,591	21,787	-0.5	-0.9	-0.7	21,450	21,556	21,736	23,542	-8.9
Blast furnaces, steel mills	10,559	10,522	10,587	+0.4	-0.6	-1.3	10,770	10,621	10,625	11,772	-8.5
Iron and steel foundries	1,450	1,484	1,473	-2.3	+0.7	+0.8	1,412	1,432	1,422	1,408	+0.3
Nonferrous and other primary metals	9,476	9,585	9,727	-1.1	-1.5	-0.3	9,268	9,503	9,689	10,362	-10.6
Fabricated metal products	22,657	23,018	22,959	-1.6	+0.3	-0.2	22,253	22,836	22,738	24,190	-8.0
Industrial machinery and equipment	45,397	46,011	46,448	-1.3	-0.9	-0.3	44,162	46,085	46,463	46,726	-5.5
Engines and turbines	3,820	3,620	3,661	+5.5	-1.1	-0.1	3,422	3,800	3,873	3,362	+1.8
Farm and garden machinery	2,282	2,301	2,342	-0.8	-1.8	+0.9	2,264	2,271	2,255	2,521	-10.2
Construction, mining and material handling equipment	6,355	6,517	6,628	-2.5	-1.7	-1.2	6,260	6,404	6,555	6,667	-6.1
Metalworking machinery	4,890	4,914	4,895	-0.5	+0.4	+0.1	4,743	4,911	4,896	4,875	-2.7
Computer and office equipment	9,989	10,405	10,508	-4.0	-1.0	-0.6	9,709	10,541	10,597	10,677	-9.1
Electronic and other electrical equipment	28,491	28,746	28,886	-0.9	-0.5	-0.5	27,761	28,479	28,772	29,347	-5.4
Electrical transmission and distribution equipment and industrial apparatus	4,023	4,159	4,134	-3.3	+0.6	-1.3	3,962	4,138	4,120	4,463	-11.2
Household appliances	2,243	2,271	2,211	-1.2	+2.7	-4.4	2,095	2,197	2,125	2,380	-12.0
Electric lighting and wiring equipment	3,202	3,223	3,214	-0.7	+0.3	-0.2	3,045	3,190	3,229	3,213	-5.2
Household audio and video equipment	1,173	1,138	1,132	+3.1	+0.5	+4.5	1,106	1,072	1,126	1,039	+6.4
Communications equipment	5,632	5,497	5,513	+2.5	-0.3	+0.6	5,564	5,548	5,555	5,452	+2.1
Electronic components	8,667	8,829	9,011	-1.8	-2.0	-0.6	8,537	8,812	9,009	9,196	-7.2
Transportation equipment	71,187	71,976	71,690	-1.1	+0.4	-1.1	69,299	72,342	72,238	71,578	-3.2
Motor vehicles and parts	12,838	12,973	12,777	-1.0	+1.5	+0.7	12,692	13,256	12,776	12,967	-2.1
Aircraft, missiles, space vehicles, and parts	54,107	54,891	55,006	-1.4	-0.2	-1.5	52,555	55,015	55,573	54,494	-3.6
Shipbuilding and tanks	2,262	2,076	1,881	+9.0	+10.4	-3.8	2,090	2,065	1,898	2,009	+4.0
Instruments and related products	23,328	23,233	23,482	+0.4	-1.1	-0.5	22,517	23,238	23,504	23,480	-4.1
Search and navigation equipment	8,499	8,340	8,575	+1.9	-2.7	-1.2	8,089	8,327	8,606	8,797	-8.0
Measuring and controlling devices	6,008	5,958	6,008	+0.8	-0.8	-1.4	5,912	6,011	6,023	6,238	-5.2
Medical instruments and supplies	5,575	5,655	5,617	-1.4	+0.7	+1.6	5,424	5,603	5,564	5,218	+3.9
Photographic goods	2,677	2,705	2,710	-1.0	-0.2	-0.8	2,538	2,730	2,747	2,596	-2.2
All other durable goods	19,880	19,753	19,704	+0.6	+0.2	-0.4	19,769	19,612	19,591	20,734	-4.7
Nondurable goods industries	135,462	135,530	135,248	-0.1	+0.2	+0.5	134,261	135,489	135,482	134,520	-0.2
With unfilled orders	33,307	33,218	33,288	+0.3	-0.2	+1.2	32,300	32,609	32,778	32,804	-1.5
Food and kindred products	28,913	28,867	28,852	+0.2	+0.1	+1.3	29,376	30,221	30,221	28,235	+4.0
Meat products	2,939	2,965	3,091	-0.9	-4.1	+2.2	2,821	3,019	3,054	2,906	-2.9
Dairy products	2,499	2,514	2,476	-0.6	+1.5	+1.5	2,409	2,455	2,448	2,416	-0.3
Beverages	4,996	4,933	4,866	+1.3	+1.4	+1.4	4,976	4,937	4,891	4,567	+9.0
All other foods, except fats and oils	16,946	16,936	16,794	+0.1	+0.8	+1.4	17,522	18,108	18,160	16,870	+3.9
Tobacco products	5,851	5,706	5,882	+2.5	-3.0	-0.2	6,032	5,701	5,956	5,607	+7.6
Textile mill products	8,639	8,626	8,751	+0.2	-1.4	+0.1	8,275	8,358	8,584	8,462	-2.2
Broadwoven fabrics and other textiles	4,965	4,995	5,021	-0.6	-0.5	+0.5	4,806	4,922	4,906	5,000	-3.9
Paper and allied products	13,508	13,457	13,368	+0.4	+0.7	+1.6	13,431	13,255	13,029	13,319	+0.8
Pulp, paper, and paperboard mill products	5,756	5,670	5,618	+1.5	+0.9	+1.0	5,756	5,563	5,449	5,454	+5.5
Paperboard containers and boxes	3,237	3,229	3,156	+0.2	+2.3	+1.2	3,273	3,160	3,098	3,277	-0.1
Miscellaneous converted paper products	4,515	4,558	4,594	-0.9	-0.8	+2.7	4,402	4,532	4,482	4,588	-4.1
Chemicals and allied products	32,929	32,912	32,630	+0.1	+0.9	+0.3	32,666	32,697	32,265	32,118	+1.7
Industrial chemicals	16,536	16,589	16,347	-0.3	+1.5	+0.3	16,503	16,352	16,082	16,712	-1.3
Drugs, soaps, and toiletries	11,569	11,545	11,556	+0.2	-0.1	+0.4	11,303	11,608	11,581	10,641	+6.2
Petroleum and coal products	11,142	11,500	11,402	-3.1	+0.9	-3.2	10,980	11,708	11,646	12,822	-14.4
Rubber and plastics products	11,259	11,303	11,274	-0.4	+0.3	+0.2	11,236	11,179	11,083	11,886	-5.5
All other nondurable goods	23,221	23,159	23,089	+0.3	+0.3	+1.8	22,265	22,370	22,698	22,071	+0.9

[p] Preliminary. [r] Revised.

Table 5. VALUE OF MANUFACTURERS' SHIPMENTS AND NEW ORDERS FOR TOPICAL SERIES[1]
(Millions of dollars)

Industry	Seasonally adjusted						Not seasonally adjusted [2]						
	Monthly			Percent Change			Monthly				Percent change	Year to date	
	Dec. 1991p	Nov. 1991r	Oct. 1991	Nov.-Dec.	Oct.-Nov.	Sept.-Oct.	Dec. 1991p	Nov. 1991r	Oct. 1991	Dec. 1990	Dec. 91/90	1991p	1990
SHIPMENTS													
All manufacturing industries	236,207	245,480	245,134	-3.8	+0.1	+1.2	230,562	245,363	253,919	234,271	-1.6	2,863,653	2,917,465
Market categories :													
Automotive equipment	7,950	8,939	9,318	-11.1	-4.1	+3.7	6,572	9,090	10,379	5,607	+17.2	98,025	103,865
Home goods and apparel	15,389	15,928	15,532	-3.4	+2.5	+1.8	13,087	16,662	17,517	12,364	+5.8	178,263	170,871
Consumer staples	55,595	57,182	56,541	-2.8	+1.1	+1.3	55,509	57,833	57,833	56,711	-2.1	671,638	670,558
Machinery and equipment	37,871	40,870	40,815	-7.3	+0.1	+2.4	41,202	39,981	40,671	42,284	-2.6	467,678	472,748
Business supplies	18,893	19,406	19,519	-2.6	-0.6	+1.9	18,335	19,851	20,561	19,469	-5.8	232,457	237,998
Construction materials and supplies	13,702	13,923	13,685	-1.6	+1.7	+0.2	12,200	13,645	14,632	12,113	+0.7	161,043	170,750
Defense products	8,731	8,896	8,909	-1.9	-0.1	-2.6	10,625	9,217	8,741	10,661	-0.3	104,588	106,846
Other materials, supplies and and intermediate products	78,076	80,336	80,815	-2.8	-0.6	+0.6	73,032	79,084	83,585	75,062	-2.7	949,961	983,829
Durable goods industries :													
Nondefense capital goods [3]	31,324	33,565	33,316	-6.7	+0.7	+2.4	35,858	32,383	32,095	37,629	-4.7	386,378	384,663
Excluding aircraft and parts	25,733	26,675	26,497	-3.5	+0.7	+1.5	28,889	25,769	25,803	29,410	-1.8	311,365	317,521
Defense capital goods [4]	8,449	8,809	8,847	-4.1	-0.4	-2.0	10,699	9,297	8,653	11,247	-4.9	103,605	106,931
Durables excluding capital goods	80,258	84,173	84,241	-4.7	-0.1	+1.0	72,180	84,097	90,179	70,808	+1.9	969,302	1,013,056
Miscellaneous series :													
Producers' durable equipment	76,130	81,468	81,732	-6.6	-0.3	+2.7	75,413	80,786	84,951	74,424	+1.3	927,841	944,271
Household durable goods	6,731	7,088	6,900	-5.0	+2.7	+0.9	6,131	7,352	7,658	6,093	+0.6	79,329	77,561
Information technology industries	14,321	15,235	14,968	-6.0	+1.8	+5.1	17,555	14,964	14,221	17,526	+0.2	173,521	173,440
Health care equipment and products	7,495	7,474	7,501	+0.3	-0.4	+2.0	7,479	7,286	7,449	6,827	+9.6	86,820	80,928
NEW ORDERS													
All manufacturing industries	233,832	243,138	242,230	-3.8	+0.4	+1.9	229,264	242,579	249,441	237,406	-3.4	2,847,271	2,923,715
Market categories :													
Automotive equipment	7,869	8,886	9,288	-11.4	-4.3	-0.2	6,520	9,026	10,351	5,586	+16.7	98,234	103,683
Home goods and apparel	15,580	16,108	15,678	-3.3	+2.7	+0.8	12,949	15,989	17,019	11,836	+9.4	178,879	171,099
Consumer staples	55,539	57,110	56,592	-2.8	+0.9	+1.4	55,483	57,781	57,848	56,727	-2.2	671,623	670,419
Machinery and equipment	35,444	42,096	39,392	-15.8	+6.9	+3.5	38,474	41,170	39,018	47,754	-19.4	457,203	495,458
Business supplies	18,908	19,421	19,430	-2.6	0.0	+1.4	18,279	19,822	20,337	19,337	-5.5	232,219	238,011
Construction materials and supplies	13,683	13,670	13,606	+0.1	+0.5	-0.8	12,366	13,331	14,413	12,144	+1.8	161,603	170,287
Defense products	9,787	5,441	8,713	+79.9	-37.6	+51.7	13,083	6,827	9,122	10,527	+24.3	98,217	94,103
Other materials, supplies and and intermediate products	77,022	80,406	79,531	-4.2	+1.1	-0.9	72,110	78,633	81,333	73,495	-1.9	949,293	980,655
Durable goods industries :													
Nondefense capital goods [3]	29,015	34,876	31,098	-16.8	+12.1	+3.4	33,079	33,947	29,713	42,992	-23.1	378,035	408,380
Excluding aircraft and parts	25,365	25,626	25,604	-1.0	+0.1	-1.9	28,051	24,973	24,746	28,933	-3.0	303,057	315,225
Defense capital goods [4]	9,576	5,153	8,306	+85.8	-38.0	+50.6	12,903	6,573	8,824	10,615	+21.6	96,392	93,417
Durables excluding capital goods	78,954	84,017	83,921	-6.0	+0.1	-0.7	71,560	82,823	88,419	69,436	+3.1	967,299	1,009,704
Miscellaneous series :													
Producers' durable equipment	73,257	82,057	80,692	-10.7	+1.7	+1.8	71,997	80,776	83,114	79,225	-9.1	913,386	963,281
Household durable goods	6,840	7,153	7,022	-4.4	+1.9	+0.8	6,016	6,862	7,314	5,667	+6.2	79,558	77,099
Information technology industries	13,897	14,555	14,425	-4.5	+0.9	+5.3	16,541	14,409	13,670	17,295	-4.4	169,517	172,598
Health care equipment and products	7,133	7,300	7,766	-2.3	-6.0	+4.9	7,117	7,111	7,714	6,666	+6.8	86,217	81,054

p Preliminary. r Revised.

[1] Topical series are regroupings of the separate industry categories.

[2] Shipments and new orders are the totals for the period and are adjusted for trading-day and calendar-month variations.

[3] Nondefense capital goods industries include : ordnance and accessories; steam, gas and hydraulic turbines; internal combustion engines; construction, mining, and material handling equipment; metalworking machinery; special industry machinery; general industrial machinery; computer and office equipment; refrigeration, heating and service industry machinery; electrical transmission and distribution equipment; electrical industrial apparatus; communications equipment; aircraft, missiles, space vehicles, and engines and parts; ships and tank components; railroad equipment; and search and navigation equipment.

[4] Defense capital goods industries include : ordnance and accessories; communications equipment; aircraft, missiles, space vehicles, and engines and parts; ships, tanks and tank components; and search and navigation equipment.

Table 6. VALUE OF MANUFACTURERS' UNFILLED ORDERS AND TOTAL INVENTORIES FOR TOPICAL SERIES[1]
(Millions of dollars)

Industry	Seasonally adjusted						Not seasonally adjusted				
	Monthly			Percent Change			Monthly				Percent change
	Dec. 1991[p]	Nov. 1991[r]	Oct. 1991	Nov.-Dec.	Oct.-Nov.	Sept.-Oct.	Dec. 1991[p]	Nov. 1991[r]	Oct. 1991	Dec. 1990	Dec. 91/90
UNFILLED ORDERS											
l manufacturing industries	510,868	513,243	515,586	-0.5	-0.5	-0.6	507,690	508,988	511,772	524,072	-3.1
ket categories :											
utomotive equipment	2,058	2,139	2,193	-3.8	-2.5	-1.3	2,045	2,097	2,161	1,837	+11.3
ome goods and apparel	9,148	8,956	8,776	+2.1	+2.1	+1.7	7,611	7,748	8,422	6,993	+8.8
onsumer staples	1,274	1,329	1,401	-4.1	-5.1	+3.8	1,307	1,333	1,385	1,322	-1.1
lachinery and equipment	218,458	220,886	219,660	-1.1	+0.6	-0.6	217,854	220,582	219,392	228,329	-4.6
usiness supplies	5,752	5,737	5,722	+0.3	+0.3	-1.5	5,640	5,696	5,725	5,878	-4.0
onstruction materials and supplies	13,064	13,083	13,336	-0.1	-1.9	-0.6	12,965	12,799	13,113	12,405	+4.5
efense products	136,120	135,064	138,519	+0.8	-2.5	-0.1	137,307	134,849	137,239	143,679	-4.4
ther materials, supplies and and intermediate products	124,994	126,049	125,979	-0.8	+0.1	-1.0	122,961	123,884	124,335	123,629	-0.5
able goods industries :											
ondefense capital goods [3]	241,985	244,294	242,983	-0.9	+0.5	-0.9	241,501	244,280	242,716	249,844	-3.3
Excluding aircraft and parts	79,542	79,910	80,959	-0.5	-1.3	-1.1	79,058	79,896	80,692	87,366	-9.5
efense capital goods [4]	144,745	143,618	147,275	+0.8	-2.5	-0.4	145,563	143,359	146,083	152,776	-4.7
urables excluding capital goods	102,162	103,466	103,622	-1.3	-0.2	-0.3	99,508	100,128	101,402	101,511	-2.0
cellaneous series :											
roducers' durable equipment	242,974	245,847	245,258	-1.2	+0.2	-0.4	240,985	244,401	244,411	255,440	-5.7
ousehold durable goods	5,459	5,350	5,285	+2.0	+1.2	+2.4	4,327	4,442	4,932	4,098	+5.6
formation technology industries	38,656	39,080	39,760	-1.1	-1.7	-1.3	38,274	39,288	39,843	42,278	-9.5
ealth care equipment and products	7,488	7,850	8,023	-4.6	-2.2	+3.4	7,488	7,850	8,025	8,092	-7.5
TOTAL INVENTORIES											
l manufacturing industries	375,862	377,820	378,064	-0.5	-0.1	-0.2	369,341	377,403	378,171	382,135	-3.3
ket categories :											
utomotive equipment	6,496	6,493	6,399	0.0	+1.5	+0.5	6,381	6,568	6,339	6,616	-3.6
ome goods and apparel	26,482	26,403	26,208	+0.3	+0.7	+1.1	25,581	25,328	25,561	25,620	-0.2
onsumer staples	55,269	55,260	55,335	0.0	-0.1	+0.4	55,252	56,504	56,733	54,368	+1.6
lachinery and equipment	85,916	86,114	86,182	-0.2	-0.1	-0.6	83,476	86,223	86,263	84,887	-1.7
usiness supplies	21,425	21,426	21,494	0.0	-0.3	+0.3	20,764	21,324	21,486	21,831	-4.9
onstruction materials and supplies	22,791	22,947	22,870	-0.7	+0.3	-0.6	22,454	22,663	22,638	23,527	-4.6
efense products	32,816	33,476	33,801	-2.0	-1.0	-1.5	31,703	33,496	34,201	35,082	-9.6
ther materials, supplies and and intermediate products	124,667	125,701	125,775	-0.8	-0.1	-0.2	123,730	125,297	124,950	130,204	-5.0
able goods industries :											
ondefense capital goods [3]	81,673	81,949	82,072	-0.3	-0.1	-0.8	79,380	82,054	82,296	81,182	-2.2
Excluding aircraft and parts	53,463	53,686	53,906	-0.4	-0.4	-0.6	51,743	53,789	54,013	54,565	-5.2
efense capital goods [4]	34,886	35,758	36,152	-2.4	-1.1	-1.5	33,584	35,843	36,656	37,354	-10.1
urables excluding capital goods	123,841	124,583	124,592	-0.6	0.0	-0.2	122,116	124,017	123,737	129,079	-5.4
cellaneous series :											
roducers' durable equipment	138,192	138,859	138,679	-0.5	+0.1	-0.4	134,877	138,673	138,399	139,316	-3.2
ousehold durable goods	12,337	12,312	12,194	+0.2	+1.0	+0.3	11,853	11,951	11,987	12,396	-4.4
formation technology industries	26,343	26,328	26,476	+0.1	-0.6	-0.7	25,615	26,627	26,681	27,109	-5.5
ealth care equipment and products	11,873	11,942	11,911	-0.6	+0.3	+0.9	11,580	11,923	11,871	11,030	+5.0

e footnotes at end of table 5.

Table 7. VALUE OF MANUFACTURERS' INVENTORIES, BY STAGE OF FABRICATION, BY INDUSTRY GROUP
(Millions of dollars)

Industry	Seasonally adjusted						Not seasonally adjusted				
	Monthly			Percent Change			Monthly				Percent change
	Dec. 1991[p]	Nov. 1991[r]	Oct. 1991	Nov.-Dec.	Oct.-Nov.	Sept.-Oct.	Dec. 1991[p]	Nov. 1991[r]	Oct. 1991	Dec. 1990	Dec. 91/90
MATERIALS AND SUPPLIES											
All manufacturing industries	115,684	115,881	116,379	-0.2	-0.4	+0.1	116,543	115,790	116,370	121,417	-4.
Durable goods industries	65,941	66,555	66,823	-0.9	-0.4	-0.3	66,096	66,567	67,003	71,242	-7.
Stone, clay, and glass products	2,461	2,470	2,466	-0.4	+0.2	-1.0	2,475	2,446	2,456	2,571	-3
Primary metals	6,790	6,828	6,970	-0.6	-2.0	+1.1	7,047	6,945	7,102	7,651	-7.
Fabricated metal products	7,857	8,056	8,009	-2.5	+0.6	+0.5	7,852	7,975	7,930	8,514	-7
Industrial machinery and equipment	12,195	12,225	12,329	-0.2	-0.8	-1.1	12,033	12,210	12,368	13,056	-7
Electronic and other electrical equipment	8,577	8,632	8,709	-0.6	-0.9	-1.5	8,543	8,561	8,703	9,468	-9
Transportation equipment	13,972	14,384	14,373	-2.9	+0.1	+0.7	13,964	14,335	14,329	15,212	-8
Instruments and related products	5,927	5,799	5,806	+2.2	-0.1	+0.1	5,785	5,749	5,752	5,650	+2
Lumber, furniture and miscellaneous durable goods	8,162	8,161	8,161	0.0	0.0	-1.5	8,397	8,346	8,363	9,120	-7
Nondurable goods industries	49,743	49,326	49,556	+0.8	-0.5	+0.6	50,447	49,223	49,367	50,175	+0
Food and kindred products	9,450	9,299	9,486	+1.6	-2.0	-1.2	9,786	9,668	9,690	9,543	+2
Tobacco products	4,538	4,316	4,391	+5.1	-1.7	-0.4	4,935	4,300	4,290	4,397	+12
Textile mill products	2,496	2,458	2,463	+1.5	-0.2	+2.6	2,437	2,347	2,377	2,391	+1
Paper and allied products	7,087	7,028	7,069	+0.8	-0.6	+2.6	7,162	6,965	6,967	7,150	+0
Chemicals and allied products	10,987	10,999	11,038	-0.1	-0.4	+0.7	10,978	10,913	11,014	10,903	+0
Petroleum and coal products	3,211	3,342	3,323	-3.9	+0.6	-1.0	3,245	3,340	3,341	3,724	-12
Rubber and plastics products	4,058	4,026	4,055	+0.8	-0.7	+0.8	4,185	4,041	4,067	4,407	-5
Apparel, printing and publishing and leather goods	7,916	7,858	7,731	+0.7	+1.6	+1.2	7,719	7,649	7,621	7,660	+0
WORK IN PROCESS											
All manufacturing industries	136,710	137,861	138,312	-0.8	-0.3	-0.9	132,654	138,238	139,314	137,931	-3
Durable goods industries	114,432	115,382	115,492	-0.8	-0.1	-1.1	110,911	115,590	116,085	115,655	-4
Stone, clay, and glass products	1,049	1,059	1,045	-0.9	+1.3	-0.9	1,006	1,007	1,004	1,013	-0
Primary metals	8,432	8,513	8,590	-1.0	-0.9	-2.8	8,297	8,429	8,538	9,230	-10
Fabricated metal products	7,581	7,760	7,798	-2.3	-0.5	-2.0	7,399	7,853	7,821	8,466	-12
Industrial machinery and equipment	20,850	21,247	21,299	-1.9	-0.2	+1.1	20,114	21,476	21,452	20,787	-3
Electronic and other electrical equipment	11,909	11,936	11,914	-0.2	+0.2	+0.1	11,469	11,873	11,919	11,697	-1
Transportation equipment	48,097	48,354	48,004	-0.5	+0.7	-2.0	46,585	48,478	48,484	47,236	-1
Instruments and related products	12,111	12,170	12,419	-0.5	-2.0	-1.1	11,686	12,212	12,513	12,839	-9
Lumber, furniture and miscellaneous durable goods	4,403	4,343	4,423	+1.4	-1.8	-0.2	4,355	4,262	4,354	4,387	-0
Nondurable goods industries	22,278	22,479	22,820	-0.9	-1.5	+0.1	21,743	22,648	23,229	22,276	-2
Food and kindred products	3,466	3,467	3,449	0.0	+0.5	-1.4	3,554	3,650	3,685	3,598	-1
Tobacco products	113	198	181	-42.9	+9.4	+2.3	119	271	269	215	-44
Textile mill products	2,450	2,466	2,534	-0.6	-2.7	-0.8	2,365	2,434	2,529	2,366	0
Paper and allied products	1,237	1,246	1,225	-0.7	+1.7	-1.7	1,223	1,220	1,198	1,382	-11
Chemicals and allied products	5,498	5,406	5,536	+1.7	-2.3	+3.0	5,307	5,391	5,535	4,994	+6
Petroleum and coal products	2,620	2,720	2,775	-3.7	-2.0	-6.8	2,559	2,775	2,884	2,887	-11
Rubber and plastics products	1,508	1,552	1,608	-2.8	-3.5	+3.3	1,496	1,576	1,618	1,627	-8
Apparel, printing and publishing and leather goods	5,386	5,424	5,512	-0.7	-1.6	+2.0	5,120	5,331	5,511	5,207	-1
FINISHED GOODS											
All manufacturing industries	123,468	124,078	123,373	-0.5	+0.6	+0.3	120,144	123,375	122,487	122,787	-2
Durable goods industries	60,027	60,353	60,501	-0.5	-0.2	0.0	58,073	59,757	59,601	60,718	-4
Stone, clay, and glass products	4,465	4,433	4,349	+0.7	+1.9	-0.3	4,388	4,313	4,187	4,434	-1
Primary metals	6,263	6,250	6,227	+0.2	+0.4	+0.2	6,106	6,182	6,096	6,661	-8
Fabricated metal products	7,219	7,202	7,152	+0.2	+0.7	+1.1	7,002	7,008	6,987	7,210	-2
Industrial machinery and equipment	12,352	12,539	12,820	-1.5	-2.2	-1.8	12,015	12,399	12,643	12,883	-6
Electronic and other electrical equipment	8,005	8,178	8,263	-2.1	-1.0	-0.3	7,749	8,045	8,150	8,182	-5
Transportation equipment	9,118	9,238	9,313	-1.3	-0.8	+1.1	8,750	9,529	9,425	9,130	-4
Instruments and related products	5,290	5,264	5,257	+0.5	+0.1	0.0	5,046	5,277	5,239	4,991	+1.
Lumber, furniture and miscellaneous durable goods	7,315	7,249	7,120	+0.9	+1.8	+0.8	7,017	7,004	6,874	7,227	-2.
Nondurable goods industries	63,441	63,725	62,872	-0.4	+1.4	+0.7	62,071	63,618	62,886	62,069	0.
Food and kindred products	15,997	16,101	15,917	-0.6	+1.2	+3.4	16,036	16,903	16,846	15,094	+6.
Tobacco products	1,200	1,192	1,310	+0.7	-9.0	+0.4	978	1,130	1,397	995	-1.
Textile mill products	3,693	3,702	3,754	-0.2	-1.4	-0.9	3,473	3,577	3,678	3,705	-6.
Paper and allied products	5,184	5,183	5,074	0.0	+2.1	+1.2	5,046	5,070	4,864	4,787	+5.
Chemicals and allied products	16,444	16,507	16,056	-0.4	+2.8	-0.8	16,381	16,393	15,716	16,221	+1.
Petroleum and coal products	5,311	5,438	5,304	-2.3	+2.5	-2.6	5,176	5,593	5,421	6,211	-16.
Rubber and plastics products	5,693	5,725	5,611	-0.6	+2.0	-1.1	5,555	5,562	5,398	5,852	-5.
Apparel, printing and publishing and leather goods	9,919	9,877	9,846	+0.4	+0.3	+2.1	9,426	9,390	9,566	9,204	+2.

[p] Prelimary. [r] Revised.

Table 8. RATIOS OF MANUFACTURES' INVENTORIES TO SHIPMENTS AND UNFILLED ORDERS TO SHIPMENTS, BY INDUSTRY GROUP
(Based on seasonally adjusted data)

Industry	Inventory / Shipments ratio				Unfilled Orders / Shipments ratio[1]			
	Dec. 1991[p]	Nov. 1991[r]	Oct. 1991	Sept. 1991	Dec. 1991[p]	Nov. 1991[r]	Oct. 1991	Sept. 1991
ll manufacturing industries	1.59	1.54	1.54	1.56	3.93	3.80	3.82	3.88
rable goods industries	2.00	1.91	1.92	1.96	4.81	4.62	4.67	4.74
one, clay, and glass products	1.73	1.68	1.66	1.63	1.50	1.47	1.52	1.46
imary metals	2.06	2.01	2.03	2.02	1.98	1.99	1.98	1.99
bricated metal products	1.49	1.45	1.46	1.50	1.89	1.81	1.84	1.91
dustrial machinery and equipment	2.22	2.17	2.21	2.25	2.72	2.65	2.73	2.81
ectronic and other lectrical equipment	1.59	1.61	1.66	1.67	2.64	2.62	2.70	2.71
ansportation equipment	2.40	2.14	2.07	2.14	13.70	12.29	11.96	12.16
struments and related products	2.36	2.27	2.33	2.37	5.63	5.54	5.76	5.83
durable goods industries	1.17	1.14	1.14	1.15	0.77	0.76	0.75	0.75
od and kindred products	0.87	0.85	0.86	0.86	(X)	(X)	(X)	(X)
bacco products	2.57	1.90	2.26	2.28	(X)	(X)	(X)	(X)
xtile mill products	1.57	1.52	1.53	1.55	(NA)	(NA)	(NA)	(NA)
per and allied products	1.33	1.32	1.31	1.27	(NA)	(NA)	(NA)	(NA)
emicals and allied products	1.39	1.38	1.34	1.35	(X)	(X)	(X)	(X)
troleum and coal products	0.85	0.84	0.82	0.88	(X)	(X)	(X)	(X)
bber and plastics products	1.46	1.43	1.40	1.40	(X)	(X)	(X)	(X)

[p] Preliminary. [r] Revised. (X) Not applicable. (NA) Not available.

[1] Excludes the following industries with no unfilled orders : Wood and lumber products; glass containers; metal cans, barrels and drums; farm and gardan machinery; motor vehicle assembly operations; other transportation equipment; foods and related products; tobacco; knitting mill products; apparel and related products; chemicals; petroleum and coal products; and rubber and plastics products.

Table 9. AVERAGE REVISIONS TO PREVIOUSLY PUBLISHED MONTHLY PERCENT CHANGES
(Based on seasonally adjusted data)

Industry	Shipments			New orders			Unfilled orders			Inventories		
	Dec. 1990	Dec.[1] 1986-1990	Dec. 1990-Nov. 1991	Dec. 1990	Dec.[1] 1986-1990	Dec. 1990-Nov. 1991	Dec. 1990	Dec.[1] 1986-1990	Dec. 1990-Nov. 1991	Dec. 1990	Dec.[1] 1986-1990	Dec. 1990-Nov. 1991
l manufacturing industries	0.5	0.3	0.2	0.4	0.6	0.2	0.0	0.2	0.1	0.0	0.1	0.1
ble goods industries	0.6	0.4	0.3	0.3	0.9	0.3	0.0	0.2	0.1	0.1	0.1	0.1
ne, clay, and glass products	0.6	1.3	0.9	0.9	1.6	1.1	0.3	0.5	0.4	0.1	0.1	0.3
mary metals	1.2	0.4	0.5	2.0	1.1	0.9	0.4	0.5	0.2	0.4	0.7	0.1
bricated metal products	1.2	0.7	0.5	0.9	0.4	0.6	0.1	0.2	0.3	0.2	0.2	0.3
ustrial machinery and equipment	0.3	1.0	0.6	0.9	1.2	0.7	0.2	0.2	0.2	0.0	0.3	0.1
ctronic and other ectrical equipment	0.6	0.9	0.3	2.2	1.5	1.3	0.6	0.3	0.4	0.1	0.4	0.1
nsportation equipment	0.2	0.1	0.5	0.1	1.9	0.5	0.0	0.3	0.0	0.3	0.1	0.3
truments and related products	1.0	1.1	0.5	1.0	1.9	1.8	0.0	0.4	0.1	0.0	0.5	0.1
durable goods industries	0.4	0.3	0.2	0.4	0.3	0.2	0.1	0.4	0.3	0.1	0.1	0.1
od and kindred products	0.2	0.4	0.2	(X)	(X)	(X)	(X)	(X)	(X)	0.2	0.2	0.2
bacco products	0.1	0.0	0.7	(X)	(X)	(X)	(X)	(X)	(X)	0.0	0.0	0.0
xtile mill products	4.4	1.5	0.6	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	0.0	0.5	0.2
per and allied products	0.8	0.4	0.4	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	0.5	0.2	0.3
emicals and allied products	0.1	0.4	0.3	(X)	(X)	(X)	(X)	(X)	(X)	0.1	0.2	0.1
troleum and coal products	0.0	0.4	0.6	(X)	(X)	(X)	(X)	(X)	(X)	0.0	0.5	0.1
bber and plastics products	0.6	0.7	0.7	(X)	(X)	(X)	(X)	(X)	(X)	0.2	0.2	0.1
al goods industries :												
ndefense	1.2	0.9	0.5	1.9	1.6	0.8	0.1	0.3	0.1	0.1	0.1	0.3
ense	4.2	1.4	0.9	7.4	3.9	3.5	0.0	0.1	0.1	0.8	0.4	0.1

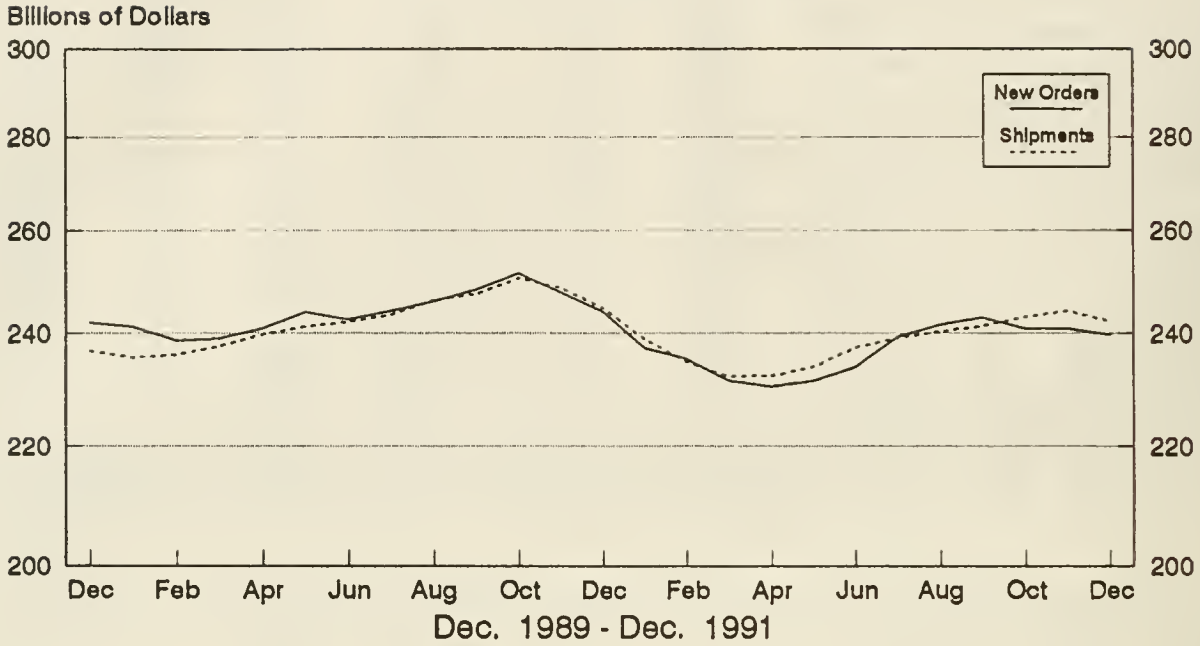
(X) Not applicable. (NA) Not available.

Note : The revisions are the differences between the month-to-month percent changes of the preliminary and final estimates. The monthly averages are the simple averages of the absolute values of the differences for the months specified. The advance to final percent change revisions for the durable goods industries are shown in the advance report for the month.

[1] Average for this month for the last five years.

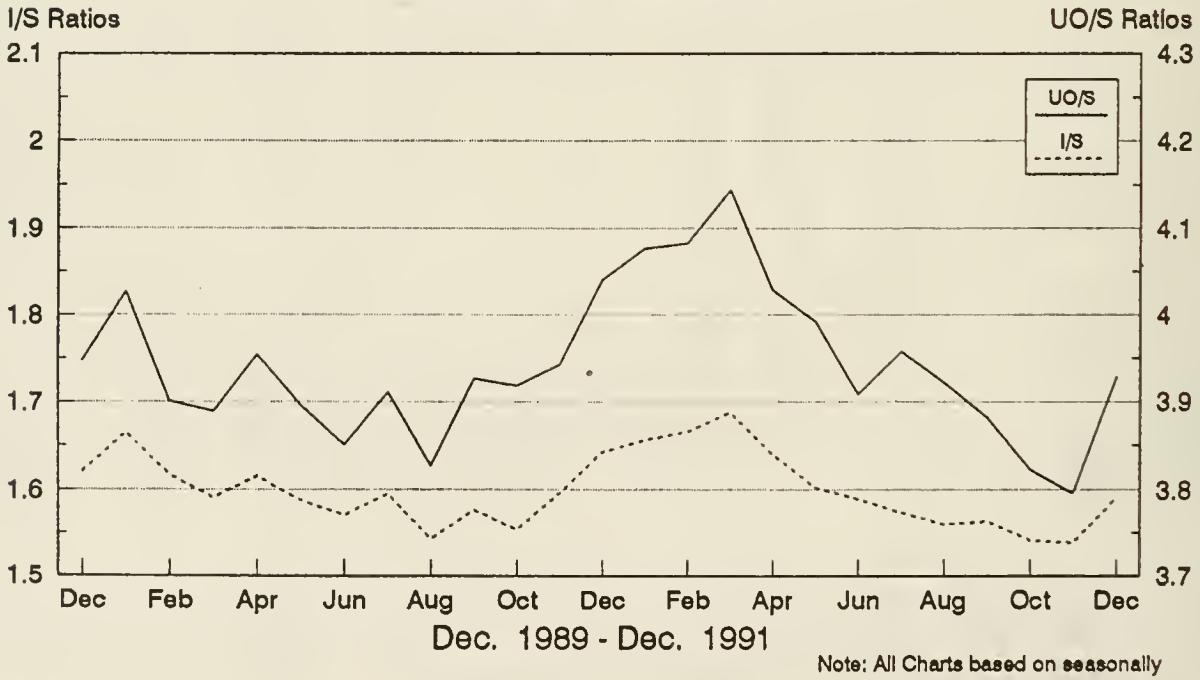
Total Manufacturing

New Orders and Shipments
Three Month Moving Averages



Total Manufacturing

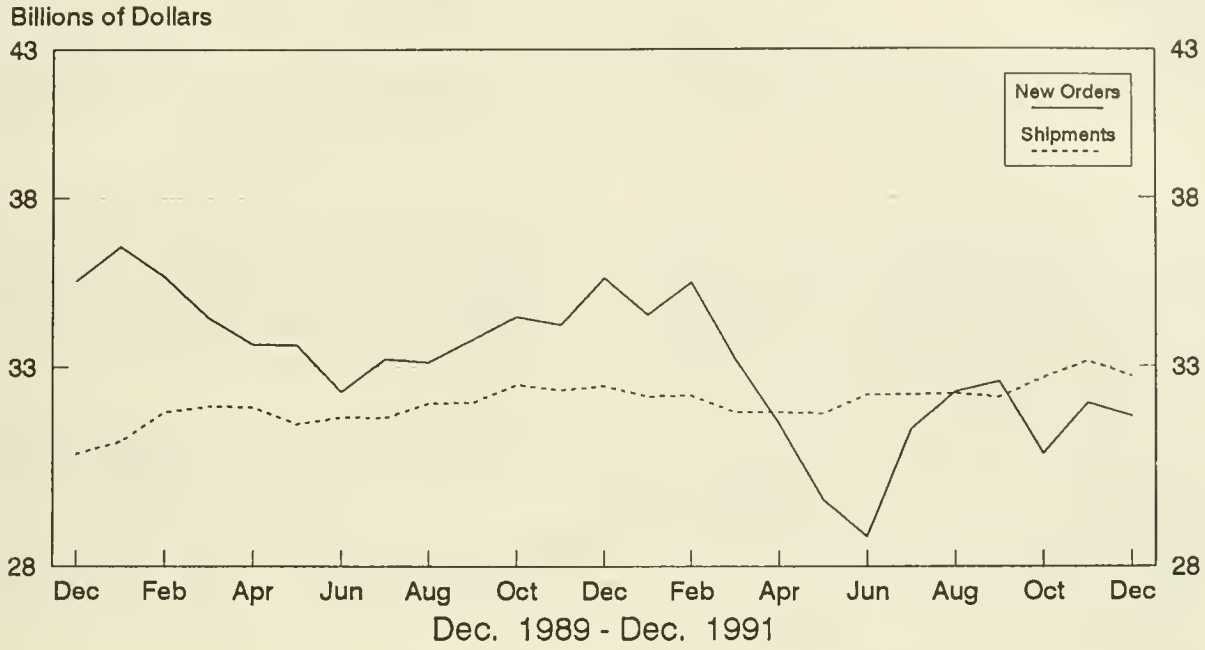
Ratio of Unfilled Orders and
Inventories to Shipments



Note: All Charts based on seasonally adjusted current dollars.

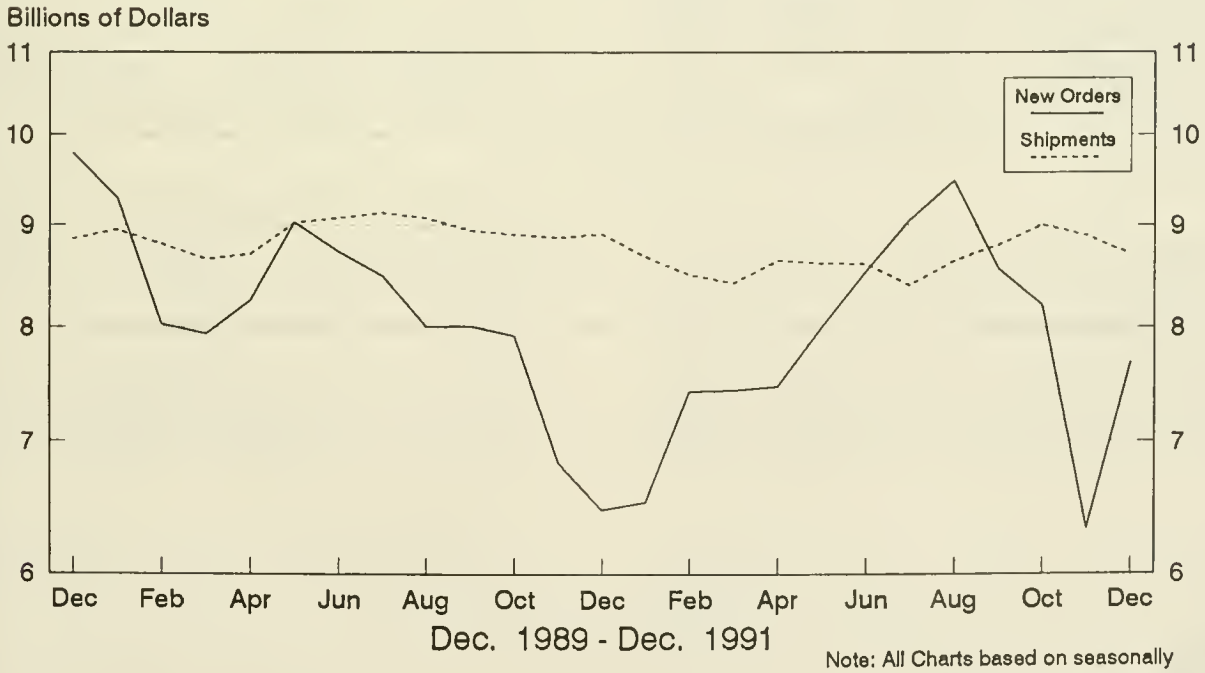
NonDefense Capital Goods

New Orders and Shipments
Three Month Moving Averages



Defense Capital Goods

New Orders and Shipments
Three Month Moving Averages



Note: All Charts based on seasonally adjusted current dollars.

U.S. Department of Commerce
BUREAU OF THE CENSUS
Washington, D.C. 20233

Official Business
Penalty for Private Use, $300

POSTAGE AND FEES
U S DEPARTMENT OF COMM
COM

First Class Mail

PUBLICATION DATES FOR THE 1992 MONTHLY M3 SURVEY MANUFACTURERS' SHIPMENTS, INVENTORIES, AND ORDERS

Report Covering	Advance Report Release Dates (8:30 a.m. release time)	Regular Report Release Dates (10:00 a.m. release time)
December 1991	Thurs., Jan. 30	Tues., Feb. 6
January 1992	Wed., Feb. 26	Wed., Mar. 4
February 1992	Wed., Mar. 25	Thurs., Apr. 2
March 1992	Thurs., Apr. 23	Thurs., Apr. 30
April 1992	Wed., May 27	Wed., June 3
May 1992	Wed., June 24	Thurs., July 2
June 1992	Thurs., July 24	Fri., July 31
July 1992	Wed., Aug. 26	Wed., Sept 2
August 1992	Fri., Sept. 25	Fri., Oct. 2
September 1992	Wed., Oct. 28	Wed., Nov. 4
October 1992	Tues., Nov. 24	Thurs., Dec. 3
November 1992	Wed., Dec. 23	Thurs., Dec. 31

C 3.158:M 3-1-(92)-01
Current Industrial Report...

Manufacturers' Shipments, Inventories, and Orders

S. Department of Commerce
REAU OF THE CENSUS

January 1992
M3-1-(92)-01
For Wire Transmissions 10:00 a.m. E.S.T. Wednesday, March 4, 1992

(All figures in text are in seasonally adjusted current dollars)

mmary

New orders for manufactured goods in January reased $0.9 billion or 0.4 percent to $235.0 billion, the partment of Commerce, Bureau of the Census reported lay. The January increase follows a 3.7 percent December line and 0.4 percent increase in November. An increase durables more than offset a decline in nondurables.

Shipments were up $0.2 billion or 0.1 percent to $236.2 ion. This is the ninth increase in the last ten months. increase in durables more than offset a decline in ndurables.

Unfilled orders in January decreased $1.2 billion or 0.2 cent to $510.2 billion and are at the lowest level since 6.2 billion in October 1989. This is the fifth consecutive nthly decline and the eleventh in the last thirteen months.

Inventories were down $1.3 billion or 0.3 percent to 4.4 billion and are at the lowest level since $372.4 billion February 1989. This is the fourth consecutive monthly line and tenth in the last eleven months. The entories-to-shipments ratio in January remained at 1.59.

w Orders

New orders for durable goods in January increased a ised $2.6 billion or 2.2 percent to $120.3 billion. The uary increase followed a 5.0 percent decrease in cember and a 0.6 percent increase in November. cluding defense, new orders were up $4.5 billion or 4.1 cent.

New orders for industrial machinery and equipment, by computer and office equipment, accounted for the gest increase, up $1.4 billion or 6.9 percent to $21.2 ion, and is at the highest level since $21.8 billion in uary 1991. Instruments and related products increased billion or 10.9 percent to $9.8 billion, primarily due to rch and navigation equipment and medical instruments l supplies. Fabricated metal products was up $0.7 billion 4.6 percent to $15.8 billion and is at the highest level ce $16.5 billion in September 1990. Electronic and other trical equipment declined $0.9 billion or 5.1 percent to .4 billion, following four consecutive monthly increases.

New orders for nondurable goods decreased $1.7 ion or 1.4 percent to $114.7 billion, following a 2.3 cent decline in December. These are the first consecutive reases since five consecutive declines ending with March 1.

Shipments

Shipments of durable goods in January increased $1.5 billion or 1.3 percent to $121.3 billion, following a 5.3 percent decline in December. This is the ninth increase in the last ten months. Transportation equipment was up $0.8 billion or 2.5 percent to $30.4 billion. Industrial machinery and equipment increased $0.5 billion or 2.4 percent to $20.9 billion, primarily due to computer and office equipment. The largest decline was in electronic and other electrical equipment, down $0.7 billion or 3.7 percent to $17.1 billion.

Shipments of nondurable goods decreased $1.3 billion or 1.1 percent to $114.9 billion, and are at the lowest level since $114.2 billion in March 1991. The largest decreases occurred in petroleum and coal products, down $0.8 billion, and food and kindred products, down $0.7 billion.

Unfilled Orders

Unfilled orders for durable goods in January decreased a revised $1.0 billion or 0.2 percent to $488.4 billion, and are at the lowest level since $484.6 billion in October 1989. This is the fifth consecutive decline. The largest decrease occurred in transportation equipment, down $1.1 billion or 0.4 percent to $271.8 billion. Primary metals, down $0.9 billion or 4.2 percent to $19.9 billion, is at the lowest level since $19.8 billion in May 1991. The largest increase occurred in fabricated metal products, up $0.4 billion or 1.5 percent to $26.7 billion. Industrial machinery and equipment was up $0.3 billion or 0.6 percent to $53.0 billion, following three consecutive monthly declines. Unfilled orders for nondurable goods decreased $0.2 billion or 0.9 percent to $21.8 billion.

Inventories

Inventories for durable goods in January were down $1.1 billion or 0.4 percent to $239.2 billion. This is the lowest level since $237.6 billion in November 1988. The largest decreases were in transportation equipment, down $0.7 billion, industrial machinery and equipment, down $0.3 billion, and primary metals, down $0.3 billion. Nondurable goods decreased $0.2 billion or 0.2 percent to $135.2 billion, as declines in petroleum and coal products, chemicals and allied products, and food and kindred products more than offset increases in all other major groups.

By stage of fabrication, finished-goods inventories were down 0.3 percent in durables and 0.5 percent in nondurables. Work in process declined 0.6 percent in durables and increased 0.8 percent in nondurables. Materials and supplies decreased 0.2 percent in durables and 0.2 percent in nondurables.

l advance report on durable goods for February is scheduled for March 25, 1992 at 8:30 a.m. and the full report on April 2, 1992 at 10:00 a.m. Address uiries concerning these figures to U.S. Department of Commerce, Bureau of the Census, Industry Division, Washington, DC 20233 or call Steve Andrews athleen Menth, (301) 763-2502 or (301) 763-2575.For sale by the Superintendent of Documents, U.S. Government Printing Office, Washington, DC 20402. report is also available the day of issue through the Department of Commerce's online Economic Bulletin Board (N-8-1) (202-377-3870) and through the sus Bureau's online information service-CENDATA. CENDATA is available from Dialog Information Services, INC. (1-800-334-2464) and CompuServe 00-848-8199). The CENDATA staff at the Bureau of the Census (301-763-2074) can provide content information and general guidance.

Table 1. VALUE OF MANUFACTURERS' SHIPMENTS FOR INDUSTRY GROUPS
(Millions of dollars)

Industry	Seasonally adjusted						Not seasonally adjusted[1]						
	Monthly			Percent Change			Monthly				Percent change	Year to date	
	Jan. 1992[p]	Dec. 1991[r]	Nov. 1991	Dec.-Jan.	Nov.-Dec.	Oct.-Nov.	Jan. 1992[p]	Dec. 1991[r]	Nov. 1991	Jan. 1991	Jan. 92/91	1992[p]	1
All manufacturing industries	236,179	235,997	245,480	+0.1	-3.9	+0.1	214,025	230,512	245,363	214,255	-0.1	214,025	214.
Manufacturing industries with unfilled orders	130,545	129,660	135,194	+0.7	-4.1	+0.3	116,296	130,589	135,424	115,995	+0.3	116,296	115
Durable goods industries	121,310	119,795	126,547	+1.3	-5.3	+0.1	107,082	118,503	125,777	104,622	+2.4	107,082	104
With unfilled orders	102,304	101,035	106,311	+1.3	-5.0	+0.5	89,940	102,837	105,987	89,166	+0.9	89,940	89
Stone, clay, and glass products	4,687	4,608	4,738	+1.7	-2.7	-0.1	4,075	3,963	4,754	4,033	+1.0	4,075	4
Primary metals	10,636	10,412	10,717	+2.2	-2.8	-0.3	10,139	9,394	10,563	10,617	-4.5	10,139	10
Blast furnaces, steel mills	4,425	4,296	4,352	+3.0	-1.3	-2.2	4,332	3,885	4,257	4,499	-3.7	4,332	4
Iron and steel foundries	908	791	863	+14.8	-8.3	-1.1	812	646	858	782	+3.8	812	
Nonferrous and other primary metals	5,303	5,325	5,502	-0.4	-3.2	+1.3	4,995	4,863	5,448	5,336	-6.4	4,995	5
Fabricated metal products	15,427	15,214	15,847	+1.4	-4.0	+0.8	13,702	13,929	15,525	13,350	+2.6	13,702	13
Industrial machinery and equipment	20,903	20,410	21,237	+2.4	-3.9	+1.2	17,547	22,592	20,278	17,830	-1.6	17,547	17
Engines and turbines	1,420	1,486	1,526	-4.4	-2.6	+0.3	1,144	2,067	1,511	1,101	+3.9	1,144	1
Farm and garden machinery	1,445	1,169	1,170	+23.6	-0.1	-0.7	1,286	1,142	1,045	1,145	+12.3	1,286	1
Construction, mining and material handling equipment	2,279	2,455	2,436	-7.2	+0.8	-9.0	2,065	2,319	2,429	2,586	-20.1	2,065	2
Metalworking machinery	1,663	1,856	1,804	-10.4	+2.9	+3.1	1,354	1,902	1,813	1,399	-3.2	1,354	1
Computer and office equipment	6,497	5,832	6,435	+11.4	-9.4	+4.3	4,821	8,166	6,084	4,377	+10.1	4,821	4
Electronic and other electrical equipment	17,105	17,766	17,876	-3.7	-0.6	+2.8	15,185	18,344	18,315	14,758	+2.9	15,185	1-
Electrical transmission and distribution equipment and industrial apparatus	2,273	2,388	2,273	-4.8	+5.1	+1.2	2,026	2,335	2,198	2,031	-0.2	2,026	
Household appliances	1,393	1,584	1,701	-12.1	-6.9	+7.5	1,243	1,454	1,582	1,344	-7.5	1,243	
Electric lighting and wiring equipment	1,286	1,318	1,349	-2.4	-2.3	+2.9	1,125	1,402	1,441	1,133	-0.7	1,125	
Household audio and video equipment	974	912	1,012	+6.8	-9.9	+3.8	811	878	1,235	687	+18.0	811	
Communications equipment	4,412	4,334	4,346	+1.8	-0.3	+0.3	3,778	5,304	4,377	3,536	+6.8	3,778	
Electronic components	5,375	5,458	5,509	-1.5	-0.9	+2.4	4,977	5,207	5,519	4,661	+6.8	4,977	
Transportation equipment	30,411	29,658	33,573	+2.5	-11.7	-3.3	26,845	28,918	33,836	25,107	+6.9	26,845	2
Motor vehicles and parts	18,101	17,818	19,836	+1.6	-10.2	-5.3	17,076	14,344	20,181	15,467	+10.4	17,076	1
Aircraft, missiles, space vehicles, and parts	10,616	10,081	11,837	+5.3	-14.8	+0.3	8,256	12,753	11,844	8,045	+2.6	8,256	
Shipbuilding and tanks	862	800	964	+7.8	-17.0	-13.0	738	995	952	887	-16.8	738	
Instruments and related products	9,640	9,840	10,235	-2.0	-3.9	+1.6	8,525	10,753	10,391	8,714	-2.2	8,525	
Search and navigation equipment	2,685	2,620	2,997	+2.5	-12.6	+1.8	2,131	3,325	3,219	2,296	-7.2	2,131	
Measuring and controlling devices	2,377	2,383	2,410	-0.3	-1.1	+1.5	2,251	2,404	2,354	2,151	+4.6	2,251	
Medical instruments and supplies	2,504	2,572	2,601	-2.6	-1.1	+1.1	2,361	2,642	2,525	2,371	-0.4	2,361	
Photographic goods	1,765	1,930	1,911	-8.5	+1.0	0.0	1,521	2,073	1,986	1,679	-9.4	1,521	
All other durable goods	12,501	11,887	12,324	+5.2	-3.5	+2.4	11,064	10,610	12,115	10,213	+8.3	11,064	1
Nondurable goods industries	114,869	116,202	118,933	-1.1	-2.3	+0.2	106,943	112,009	119,586	109,633	-2.5	106,943	10
With unfilled orders	28,241	28,625	28,883	-1.3	-0.9	-0.5	26,356	27,752	29,437	26,829	-1.8	26,356	2
Food and kindred products	32,531	33,233	33,897	-2.1	-2.0	+1.6	30,116	32,702	33,738	29,912	+0.7	30,116	2
Meat products	7,724	7,458	7,947	+3.6	-6.2	+2.4	7,160	7,451	7,727	7,498	-4.5	7,160	
Dairy products	4,506	4,629	4,644	-2.7	-0.3	+0.8	4,231	4,484	4,677	4,160	+1.7	4,231	
Beverages	4,454	4,691	4,512	-5.1	+4.0	-0.6	3,888	4,240	4,276	3,691	+5.3	3,888	
All other foods, except fats and oils	14,221	14,873	15,269	-4.4	-2.6	+2.1	13,211	14,945	15,533	13,198	+0.1	13,211	1
Tobacco products	2,497	2,275	3,010	+9.8	-24.4	+15.9	1,583	2,825	3,454	1,548	+2.3	1,583	
Textile mill products	5,607	5,509	5,661	+1.8	-2.7	-1.3	4,865	5,047	5,840	4,267	+14.0	4,865	
Broadwoven fabrics and other textiles	3,392	3,340	3,390	+1.6	-1.5	-0.7	2,988	3,170	3,411	2,630	+13.6	2,988	
Paper and allied products	10,081	10,167	10,199	-0.8	-0.3	-0.3	9,803	9,790	9,953	10,030	-2.3	9,803	1
Pulp, paper, and paperboard mill products	4,170	4,223	4,305	-1.3	-1.9	-1.1	4,095	4,168	4,220	4,444	-7.9	4,095	
Paperboard containers and boxes	2,355	2,332	2,348	+1.0	-0.7	+0.8	2,280	2,182	2,277	2,261	+0.8	2,280	
Miscellaneous converted paper products	3,556	3,612	3,546	-1.6	+1.9	-0.1	3,428	3,440	3,456	3,325	+3.1	3,428	
Chemicals and allied products	23,877	23,726	23,809	+0.6	-0.3	-2.2	23,358	22,590	23,034	23,701	-1.4	23,358	2
Industrial chemicals	12,115	12,095	12,320	+0.2	-1.8	-2.4	11,667	11,447	12,059	12,992	-10.2	11,667	1
Drugs, soaps, and toiletries	9,239	9,059	8,991	+2.0	+0.8	-1.1	9,341	8,924	8,790	8,379	+11.5	9,341	
Petroleum and coal products	12,048	12,897	13,712	-6.6	-5.9	-0.8	11,517	12,981	14,271	14,935	-22.9	11,517	1
Rubber and plastics products	7,921	7,719	7,920	+2.6	-2.5	-1.4	7,330	6,931	7,487	6,953	+5.4	7,330	
All other nondurable goods	20,307	20,676	20,725	-1.8	-0.2	+0.7	18,371	19,143	21,809	18,287	+0.5	18,371	1

[p] Preliminary. [r] Revised.

[1] Shipments and new orders are the totals for the period and are adjusted for trading-day and calendar-month variations.

Table 2. VALUE OF MANUFACTURERS' NEW ORDERS FOR INDUSTRY GROUPS
(Millions of dollars)

Industry	Seasonally adjusted						Not seasonally adjusted[1]						
	Monthly			Percent Change			Monthly				Percent change	Year to date	
	Jan. 1992[p]	Dec. 1991[r]	Nov. 1991	Dec.-Jan.	Nov.-Dec.	Oct.-Nov.	Jan. 1992[p]	Dec. 1991[r]	Nov. 1991	Jan. 1991	Jan. 92/91	1992[p]	1991
All manufacturing industries	235,008	234,102	243,138	+0.4	-3.7	+0.4	215,903	229,451	242,579	217,443	-0.7	215,903	217,443
nufacturing industries with filled orders	129,374	127,765	132,852	+1.3	-3.8	+0.7	118,174	129,528	132,640	119,183	-0.8	118,174	119,183
rable goods industries	120,341	117,785	124,046	+2.2	-5.0	+0.6	109,066	117,481	123,343	107,749	+1.2	109,066	107,749
Vith unfilled orders	101,335	99,025	103,810	+2.3	-4.6	+1.0	91,924	101,815	103,553	92,293	-0.4	91,924	92,293
one, clay, and glass products	4,618	4,609	4,491	+0.2	+2.6	-7.4	3,946	3,927	4,464	3,970	-0.6	3,946	3,970
mary metals	9,768	9,869	10,714	-1.0	-7.9	+2.1	9,709	9,648	10,552	9,944	-2.4	9,709	9,944
Blast furnaces, steel mills	3,855	3,635	4,138	+6.1	-12.2	-7.1	4,149	3,677	3,971	4,085	+1.6	4,149	4,085
ron and steel foundries	905	906	810	-0.1	+11.9	-3.1	863	731	778	765	+12.8	863	765
Nonferrous and other primary metals	5,008	5,328	5,766	-6.0	-7.6	+10.8	4,697	5,240	5,803	5,094	-7.8	4,697	5,094
bricated metal products	15,826	15,133	15,652	+4.6	-3.3	+1.2	14,363	14,029	15,190	13,887	+3.4	14,363	13,887
Industrial machinery and equipment	21,204	19,842	20,491	+6.9	-3.2	+1.1	18,741	21,616	19,834	19,242	-2.6	18,741	19,242
Engines and turbines	1,497	1,267	1,386	+18.2	-8.6	-11.4	1,203	1,765	1,538	1,359	-11.5	1,203	1,359
Construction, mining and material handling equipment	2,345	2,549	2,394	-8.0	+6.5	-3.6	2,311	2,502	2,419	3,035	-23.9	2,311	3,035
Metalworking machinery	1,934	2,189	1,895	-11.6	+15.5	+24.6	1,625	2,235	1,904	1,355	+19.9	1,625	1,355
Computer and office equipment	6,101	5,179	6,032	+17.8	-14.1	+3.4	4,575	6,909	5,810	4,718	-3.0	4,575	4,718
lectronic and other lectrical equipment	17,350	18,281	17,642	-5.1	+3.6	+1.2	15,836	18,678	17,905	14,652	+8.1	15,836	14,652
Electrical transmission and distribution equipment and industrial apparatus	2,471	2,354	2,132	+5.0	+10.4	-8.3	2,287	2,299	2,035	2,262	+1.1	2,287	2,262
Electric lighting and wiring equipment	1,291	1,388	1,315	-7.0	+5.6	+1.8	1,130	1,472	1,407	1,257	-10.1	1,130	1,257
Communications equipment	4,291	4,835	3,821	-11.3	+26.5	-11.9	3,771	5,693	3,950	2,996	+25.9	3,771	2,996
Electronic components	5,553	5,615	6,055	-1.1	-7.3	+15.4	5,289	5,406	5,903	4,510	+17.3	5,289	4,510
ansportation equipment	29,351	29,018	33,617	+1.1	-13.7	+3.0	25,985	28,738	34,340	27,459	-5.4	25,985	27,459
Aircraft, missiles, space vehicles, and parts	9,724	10,007	12,664	-2.8	-21.0	+25.1	7,437	13,055	13,176	9,496	-21.7	7,437	9,496
Shipbuilding and tanks	620	764	369	-18.8	+107.0	-60.3	464	817	297	1,448	-68.0	464	1,448
truments and related products	9,787	8,823	8,873	+10.9	-0.6	-12.1	8,926	10,325	9,308	8,299	+7.6	8,926	8,299
Search and navigation equipment	2,816	2,210	1,783	+27.4	+23.9	-33.0	2,504	3,486	2,335	1,712	+46.3	2,504	1,712
Measuring and controlling devices	2,426	2,377	2,475	+2.1	-4.0	+3.7	2,300	2,398	2,419	2,220	+3.6	2,300	2,220
Medical instruments and supplies	2,524	2,156	2,427	+17.1	-11.2	-14.4	2,381	2,226	2,351	2,424	-1.8	2,381	2,424
l other durable goods	12,437	12,210	12,565	+1.9	-2.8	+4.0	11,560	10,520	11,750	10,296	+12.3	11,560	10,296
ondurable goods industries	114,667	116,317	119,092	-1.4	-2.3	+0.2	106,837	111,970	119,236	109,694	-2.6	106,837	109,694
With unfilled orders	28,039	28,740	29,042	-2.4	-1.0	-0.6	26,250	27,713	29,087	26,890	-2.4	26,250	26,890

[p] Preliminary. [r] Revised.

[1] Shipments and new orders are the totals for the period and are adjusted for trading-day and calendar-month variations.

(n) When new orders for a prior month are negative because of cancellations, the percentage change calculation is algebraically negative, even though there is a net dollar increase from the prior month to the current month.

Table 3. VALUE OF MANUFACTURERS' UNFILLED ORDERS FOR INDUSTRY GROUPS
(Millions of dollars)

Industry	Seasonally adjusted						Not seasonally adjusted				
	Monthly			Percent Change			Monthly				Percen chang
	Jan. 1992[p]	Dec. 1991[r]	Nov. 1991	Dec.-Jan.	Nov.-Dec.	Oct.-Nov.	Jan. 1992[p]	Dec. 1991[r]	Nov. 1991	Jan. 1991	Jan 92/91
All manufacturing industries	510,177	511,348	513,243	-0.2	-0.4	-0.5	509,805	507,927	508,988	527,260	-3.3
Durable goods industries	488,399	489,368	491,378	-0.2	-0.4	-0.5	488,729	486,745	487,767	507,258	-3.7
Stone, clay, and glass products	6,212	6,281	6,280	-1.1	0.0	-3.8	6,025	6,154	6,190	5,021	+20.0
Primary metals	19,925	20,793	21,336	-4.2	-2.5	0.0	19,935	20,365	20,111	21,686	-8.1
Blast furnaces, steel mills	7,093	7,663	8,324	-7.4	-7.9	-2.5	7,270	7,453	7,661	7,850	-7.4
Iron and steel foundries	2,805	2,808	2,693	-0.1	+4.3	-1.9	2,788	2,737	2,652	3,001	-7.1
Nonferrous and other primary metals	10,027	10,322	10,319	-2.9	0.0	+2.6	9,877	10,175	9,798	10,835	-8.8
Fabricated metal products	26,686	26,287	26,368	+1.5	-0.3	-0.7	26,729	26,068	25,968	27,797	-3.8
Industrial machinery and equipment	52,996	52,695	53,263	+0.6	-1.1	-1.4	53,485	52,291	53,267	58,337	-8.3
Engines and turbines	8,666	8,589	8,808	+0.9	-2.5	-1.6	8,863	8,804	9,106	8,156	+8.7
Construction, mining and material handling equipment	6,710	6,644	6,550	+1.0	+1.4	-0.6	6,891	6,645	6,462	8,540	-19.3
Metalworking machinery	7,439	7,168	6,835	+3.8	+4.9	+1.3	7,439	7,168	6,835	7,010	+6.3
Computer and office equipment	10,301	10,697	11,350	-3.7	-5.8	-3.4	10,064	10,310	11,567	12,059	-16.5
Electronic and other electrical equipment	47,525	47,280	46,765	+0.5	+1.1	-0.5	47,201	46,550	46,216	48,537	-2.8
Electrical transmission and distribution equipment and industrial apparatus	6,657	6,459	6,493	+3.1	-0.5	-2.1	6,662	6,401	6,437	6,811	-2.2
Electric lighting and wiring equipment	2,388	2,383	2,313	+0.2	+3.0	-1.4	2,388	2,383	2,313	2,191	+9.0
Communications equipment	19,662	19,783	19,282	-0.6	+2.6	-2.7	19,725	19,732	19,343	21,863	-9.8
Electronic components	14,617	14,439	14,282	+1.2	+1.1	+4.0	14,325	14,013	13,814	13,554	+5.7
Transportation equipment	271,812	272,872	273,512	-0.4	-0.2	0.0	272,178	273,038	273,218	279,860	-2.7
Aircraft, missiles, space vehicles, and parts	237,787	238,679	238,753	-0.4	0.0	+0.3	238,134	238,953	238,651	243,109	-2.0
Shipbuilding and tanks	24,960	25,202	25,238	-1.0	-0.1	-2.3	24,798	25,072	25,250	27,333	-9.3
Instruments and related products	55,831	55,684	56,701	+0.3	-1.8	-2.3	56,401	56,000	56,428	59,630	-5.5
Search and navigation equipment	39,572	39,441	39,851	+0.3	-1.0	-3.0	40,167	39,794	39,633	42,274	-5.0
Measuring and controlling devices	8,116	8,067	8,073	+0.6	-0.1	+0.8	8,116	8,067	8,073	8,205	-1.
Medical instruments and supplies	7,427	7,407	7,823	+0.3	-5.3	-2.2	7,427	7,407	7,823	8,114	-8.2
All other durable goods	7,412	7,476	7,153	-0.9	+4.5	+3.5	6,775	6,279	6,369	6,390	+6.0
Nondurable goods industries	21,778	21,980	21,865	-0.9	+0.5	+0.7	21,076	21,182	21,221	20,002	+5.4

[p] Preliminary [r] Revised.

Table 4. VALUE OF MANUFACTURERS' INVENTORIES FOR INDUSTRY GROUPS
(Millions of dollars)

Industry	Seasonally adjusted						Not seasonally adjusted				
	Monthly			Percent Change			Monthly				Percent change
	Jan. 1992[P]	Dec. 1991[r]	Nov. 1991	Dec.-Jan.	Nov.-Dec.	Oct.-Nov.	Jan. 1992[P]	Dec. 1991[r]	Nov. 1991	Jan. 1991	Jan. 92/91
ll manufacturing industries	374,402	375,701	377,820	-0.3	-0.6	-0.1	373,854	369,493	377,403	387,733	-3.6
ufacturing industries with illed orders	254,545	255,426	257,354	-0.3	-0.7	-0.2	252,668	249,257	256,167	265,179	-4.7
able goods industries	239,217	240,292	242,290	-0.4	-0.8	-0.2	238,147	235,130	241,914	251,035	-5.1
ith unfilled orders	221,065	222,124	224,136	-0.5	-0.9	-0.2	219,546	216,968	223,558	231,459	-5.1
ne, clay, and glass products	7,904	7,968	7,962	-0.8	+0.1	+1.3	7,897	7,866	7,766	8,181	-3.5
nary metals	21,038	21,359	21,591	-1.5	-1.1	-0.9	21,123	21,419	21,556	23,450	-9.9
last furnaces, steel mills	10,302	10,476	10,522	-1.7	-0.4	-0.6	10,436	10,758	10,621	11,564	-9.8
on and steel foundries	1,342	1,421	1,484	-5.6	-4.2	+0.7	1,359	1,396	1,432	1,465	-7.2
onferrous and other primary metals	9,394	9,462	9,585	-0.7	-1.3	-1.5	9,328	9,265	9,503	10,421	-10.5
ricated metal products	22,958	22,715	23,018	+1.1	-1.3	+0.3	23,018	22,318	22,836	24,553	-6.3
ustrial machinery and equipment	44,999	45,337	46,011	-0.7	-1.5	-0.9	44,841	44,117	46,085	47,809	-6.2
ngines and turbines	3,811	3,836	3,620	-0.7	+6.0	-1.1	3,550	3,435	3,800	3,535	+0.4
arm and garden machinery	2,272	2,278	2,301	-0.3	-1.0	-1.8	2,338	2,263	2,271	2,575	-9.2
onstruction, mining and material handling equipment	6,189	6,361	6,517	-2.7	-2.4	-1.7	6,251	6,259	6,404	6,929	-9.8
etalworking machinery	4,920	4,881	4,914	+0.8	-0.7	+0.4	4,876	4,732	4,911	4,953	-1.6
omputer and office equipment	10,114	9,947	10,405	+1.7	-4.4	-1.0	9,983	9,679	10,541	10,860	-8.1
tronic and other ctrical equipment	28,617	28,504	28,746	+0.4	-0.8	-0.5	28,270	27,755	28,479	29,578	-4.4
lectrical transmission and listribution equipment and ndustrial apparatus	4,085	4,038	4,159	+1.2	-2.9	+0.6	4,084	3,971	4,138	4,265	-4.2
ousehold appliances	2,316	2,249	2,271	+3.0	-1.0	+2.7	2,281	2,095	2,197	2,450	-6.9
lectric lighting and wiring equipment	3,150	3,185	3,223	-1.1	-1.2	+0.3	3,062	3,031	3,190	3,269	-6.3
ousehold audio and ideo equipment	1,193	1,170	1,138	+2.0	+2.8	+0.5	1,155	1,102	1,072	1,052	+9.8
ommunications equipment	5,744	5,621	5,497	+2.2	+2.3	-0.3	5,666	5,559	5,548	5,560	+1.9
lectronic components	8,583	8,682	8,829	-1.1	-1.7	-2.0	8,497	8,545	8,812	9,251	-8.2
nsportation equipment	70,397	71,138	71,976	-1.0	-1.2	+0.4	69,875	69,307	72,342	72,936	-4.2
lotor vehicles and parts	12,403	12,777	12,973	-2.9	-1.5	+1.5	12,792	12,701	13,256	13,587	-5.9
ircraft, missiles, space vehicles, and parts	53,678	54,133	54,891	-0.8	-1.4	-0.2	52,849	52,554	55,015	55,187	-4.2
hipbuilding and tanks	2,259	2,249	2,076	+0.4	+8.3	+10.4	2,167	2,090	2,065	1,994	+8.7
truments and related products	23,214	23,333	23,233	-0.5	+0.4	-1.1	22,839	22,518	23,238	23,622	-3.3
earch and navigation equipment	8,326	8,503	8,340	-2.1	+2.0	-2.7	8,122	8,083	8,327	8,834	-8.1
leasuring and controlling devices	5,989	6,001	5,958	-0.2	+0.7	-0.8	5,947	5,913	6,011	6,274	-5.2
ledical instruments and supplies	5,607	5,574	5,655	+0.6	-1.4	+0.7	5,562	5,430	5,603	5,257	+5.8
hotographic goods	2,716	2,684	2,705	+1.2	-0.8	-0.2	2,645	2,538	2,730	2,636	+0.3
other durable goods	20,090	19,938	19,753	+0.8	+0.9	+0.2	20,284	19,830	19,612	20,906	-3.0
ndurable goods industries	135,185	135,409	135,530	-0.2	-0.1	+0.2	135,707	134,363	135,489	136,698	-0.7
ith unfilled orders	33,480	33,302	33,218	+0.5	+0.3	-0.2	33,122	32,289	32,609	33,720	-1.8
d and kindred products	28,679	28,837	28,867	-0.5	-0.1	+0.1	29,146	29,365	30,221	28,601	+1.9
leat products	2,878	2,925	2,965	-1.6	-1.3	-4.1	2,855	2,813	3,019	2,987	-4.4
airy products	2,476	2,492	2,514	-0.6	-0.9	+1.5	2,439	2,409	2,455	2,408	+1.3
everages	4,935	4,980	4,933	-0.9	+1.0	+1.4	4,925	4,974	4,937	4,701	+4.8
ll other foods, except fats and oils	16,935	16,929	16,936	0.0	0.0	+0.8	17,375	17,521	18,108	16,894	+2.8
acco products	5,933	5,865	5,706	+1.2	+2.8	-3.0	6,419	6,031	5,701	6,075	+5.7
tile mill products	8,738	8,648	8,626	+1.0	+0.3	-1.4	8,686	8,270	8,358	8,808	-1.4
roadwoven fabrics and other textiles	5,037	4,976	4,995	+1.2	-0.4	-0.5	5,047	4,804	4,922	5,192	-2.8
er and allied products	13,551	13,487	13,457	+0.5	+0.2	+0.7	13,687	13,425	13,255	13,636	+0.4
ulp, paper, and paperboard mill products	5,784	5,745	5,670	+0.7	+1.3	+0.9	5,894	5,745	5,563	5,561	+6.0
aperboard containers and boxes	3,256	3,238	3,229	+0.6	+0.3	+2.3	3,305	3,278	3,160	3,299	+0.2
liscellaneous converted paper products	4,511	4,504	4,558	+0.2	-1.2	-0.8	4,488	4,402	4,532	4,776	-6.0
micals and allied products	32,667	32,904	32,912	-0.7	0.0	+0.9	32,806	32,687	32,697	32,845	-0.1
ndustrial chemicals	16,445	16,534	16,589	-0.5	-0.3	+1.5	16,659	16,515	16,352	17,060	-2.4
rugs, soaps, and toiletries	11,491	11,542	11,545	-0.4	0.0	-0.1	11,284	11,292	11,608	10,817	+4.3
roleum and coal products	10,605	11,032	11,500	-3.9	-4.1	+0.9	10,463	10,945	11,708	12,218	-14.4
ober and plastics products	11,272	11,245	11,303	+0.2	-0.5	+0.3	11,366	11,213	11,179	12,106	-6.1
other nondurable goods	23,740	23,391	23,159	+1.5	+1.0	+0.3	23,134	22,427	22,370	22,409	+3.2

P Preliminary r Revised.

Table 5. VALUE OF MANUFACTURERS' SHIPMENTS AND NEW ORDERS FOR TOPICAL SERIES[1]
(Millions of dollars)

Industry	Seasonally adjusted						Not seasonally adjusted [2]						
	Monthly			Percent Change			Monthly				Percent change	Year to date	
	Jan. 1992[p]	Dec. 1991[r]	Nov. 1991	Dec.-Jan.	Nov.-Dec.	Oct.-Nov.	Jan. 1992[p]	Dec. 1991[r]	Nov. 1991	Jan. 1991	Jan. 92/91	1992[p]	19
SHIPMENTS													
All manufacturing industries	236,179	235,997	245,480	+0.1	-3.9	+0.1	214,025	230,512	245,363	214,255	-0.1	214,025	214,2
Market categories :													
Automotive equipment	8,021	8,072	8,939	-0.6	-9.7	-4.1	7,429	6,567	9,090	6,717	+10.6	7,429	6,7
Home goods and apparel	15,565	15,458	15,928	+0.7	-3.0	+2.5	13,316	13,199	16,662	12,128	+9.8	13,316	12,1
Consumer staples	54,702	55,439	57,182	-1.3	-3.0	+1.1	50,862	55,493	57,833	51,983	-2.2	50,862	51,9
Machinery and equipment	38,552	37,844	40,870	+1.9	-7.4	+0.1	32,851	41,142	39,981	32,560	+0.9	32,851	32,5
Business supplies	18,494	18,968	19,406	-2.5	-2.3	-0.6	17,454	18,432	19,851	18,769	-7.0	17,454	18,7
Construction materials and supplies	13,827	13,723	13,923	+0.8	-1.4	+1.7	12,062	12,218	13,645	11,390	+5.9	12,062	11,3
Defense products	8,468	8,684	8,896	-2.5	-2.4	-0.1	6,931	10,597	9,217	6,927	+0.1	6,931	6,9
Other materials, supplies and and intermediate products	78,550	77,809	80,336	+1.0	-3.1	-0.6	73,120	72,864	79,084	73,781	-0.9	73,120	73,7
Durable goods industries :													
Nondefense capital goods [3]	31,794	31,148	33,565	+2.1	-7.2	+0.7	26,372	35,799	32,383	26,401	-0.1	26,372	26,4
Excluding aircraft and parts	26,026	25,656	26,675	+1.4	-3.8	+0.7	21,869	28,830	25,769	21,834	+0.2	21,869	21,8
Defense capital goods [4]	8,340	8,388	8,809	-0.6	-4.8	-0.4	6,672	10,660	9,297	6,648	+0.4	6,672	6,6
Durables excluding capital goods	81,176	80,259	84,173	+1.1	-4.6	-0.1	74,038	72,044	84,097	71,573	+3.4	74,038	71,5
Miscellaneous series :													
Producers' durable equipment	77,500	76,080	81,468	+1.9	-6.6	-0.3	68,315	75,255	80,786	66,229	+3.1	68,315	66,2
Household durable goods	6,692	6,643	7,088	+0.7	-6.3	+2.7	5,662	6,100	7,352	5,460	+3.7	5,662	5,4
Information technology industries	15,182	14,382	15,235	+5.6	-5.6	+1.8	12,427	17,607	14,964	11,813	+5.2	12,427	11,8
Health care equipment and products	7,507	7,475	7,474	+0.4	0.0	-0.4	7,413	7,466	7,286	6,909	+7.3	7,413	6,9
NEW ORDERS													
All manufacturing industries	235,008	234,102	243,138	+0.4	-3.7	+0.4	215,903	229,451	242,579	217,443	-0.7	215,903	217,4
Market categories :													
Automotive equipment	8,035	7,993	8,886	+0.5	-10.0	-4.3	7,474	6,519	9,026	6,771	+10.4	7,474	6,7
Home goods and apparel	15,309	15,660	16,108	-2.2	-2.8	+2.7	13,867	13,064	15,989	12,532	+10.7	13,867	12,5
Consumer staples	54,729	55,380	57,110	-1.2	-3.0	+0.9	50,874	55,470	57,781	51,975	-2.1	50,874	51,9
Machinery and equipment	38,296	35,484	42,096	+7.9	-15.7	+6.9	33,320	38,417	41,170	34,905	-4.5	33,320	34,9
Business supplies	18,412	19,050	19,421	-3.3	-1.9	0.0	17,390	18,456	19,822	18,917	-8.1	17,390	18,9
Construction materials and supplies	13,952	13,719	13,670	+1.7	+0.4	+0.5	12,201	12,395	13,331	11,394	+7.1	12,201	11,3
Defense products	8,004	9,963	5,441	-19.7	+83.1	-37.6	6,733	13,056	6,827	6,515	+3.3	6,733	6,5
Other materials, supplies and and intermediate products	78,271	76,853	80,406	+1.8	-4.4	+1.1	74,044	72,074	78,633	74,434	-0.5	74,044	74,4
Durable goods industries :													
Nondefense capital goods [3]	31,747	28,909	34,876	+9.8	-17.1	+12.1	27,173	33,056	33,947	29,278	-7.2	27,173	29,2
Excluding aircraft and parts	26,658	25,358	25,626	+5.1	-1.0	+0.1	23,349	28,028	24,973	23,003	+1.5	23,349	23,0
Defense capital goods [4]	7,833	9,758	5,152	-19.7	+89.4	-38.0	6,594	12,865	6,573	6,416	+2.8	6,594	6,4
Durables excluding capital goods	80,761	79,118	84,017	+2.1	-5.8	+0.1	75,299	71,560	82,823	72,055	+4.5	75,299	72,0
Miscellaneous series :													
Producers' durable equipment	77,360	73,282	82,057	+5.6	-10.7	+1.7	70,036	71,831	80,776	69,856	+0.3	70,036	69,8
Household durable goods	6,508	6,788	7,153	-4.1	-5.1	+1.9	6,209	5,986	6,862	5,793	+7.2	6,209	5,7
Information technology industries	14,937	14,013	14,555	+6.6	-3.7	+0.9	12,340	16,626	14,409	11,713	+5.4	12,340	11,7
Health care equipment and products	7,528	7,060	7,300	+6.6	-3.3	-6.0	7,433	7,050	7,111	6,959	+6.8	7,433	6,9

[p] Preliminary. [r] Revised

[1] Topical series are regroupings of the separate industry categories.

[2] Shipments and new orders are the totals for the period and are adjusted for trading-day and calendar-month variations.

[3] Nondefense capital goods industries include : ordnance and accessories; steam, gas and hydraulic turbines; internal combustion engines; construction, mining, and material handling equipme metalworking machinery; special industry machinery; general industrial machinery; computer and office equipment, refrigeration, heating and service industry machinery; electrical transmission a distribution equipment; electrical industrial apparatus; communications equipment; aircraft, missiles, space vehicles, and engines and parts; ships and tank components; railroad equipment; and sear and navigation equipment.

[4] Defense capital goods industries include : ordnance and accessories; communications equipment; aircraft, missiles, space vehicles, and engines and parts; ships, tanks and tank components; a search and navigation equipment.

Table 6. VALUE OF MANUFACTURERS' UNFILLED ORDERS AND TOTAL INVENTORIES FOR TOPICAL SERIES[1]
(Millions of dollars)

Industry	Seasonally adjusted						Not seasonally adjusted				
	Monthly			Percent Change			Monthly				Percent change
	Jan. 1992[p]	Dec. 1991[r]	Nov. 1991	Dec.-Jan.	Nov.-Dec.	Oct.-Nov.	Jan. 1992[p]	Dec. 1991[r]	Nov. 1991	Jan. 1991	Jan. 92/91
UNFILLED ORDERS											
All manufacturing industries	510,177	511,348	513,243	-0.2	-0.4	-0.5	509,805	507,927	508,988	527,260	-3.3
Market categories :											
Automotive equipment	2,074	2,060	2,139	+0.7	-3.7	-2.5	2,093	2,048	2,097	1,891	+10.7
Home goods and apparel	8,903	9,158	8,956	-2.8	+2.3	+2.1	8,163	7,613	7,748	7,397	+10.4
Consumer staples	1,299	1,271	1,329	+2.2	-4.4	-5.1	1,321	1,309	1,333	1,315	+0.5
Machinery and equipment	218,270	218,526	220,886	-0.1	-1.1	+0.6	218,326	217,857	220,582	230,673	-5.4
Business supplies	5,738	5,820	5,737	-1.4	+1.4	+0.3	5,656	5,720	5,696	6,026	-6.1
Construction materials and supplies	13,204	13,079	13,083	+1.0	0.0	-1.9	13,115	12,976	12,799	12,409	+5.7
Defense products	135,879	136,343	135,064	-0.3	+0.9	-2.5	137,109	137,308	134,849	143,267	-4.3
Other materials, supplies and and intermediate products	124,810	125,091	126,049	-0.2	-0.8	+0.1	124,022	123,096	123,884	124,282	-0.2
Durable goods industries :											
Nondefense capital goods [3]	242,008	242,055	244,294	0.0	-0.9	+0.5	242,338	241,537	244,280	252,721	-4.1
Excluding aircraft and parts	80,244	79,612	79,910	+0.8	-0.4	-1.3	80,574	79,094	79,896	88,535	-9.0
Defense capital goods [4]	144,481	144,988	143,618	-0.3	+1.0	-2.5	145,486	145,564	143,359	152,544	-4.6
Durables excluding capital goods	101,910	102,325	103,466	-0.4	-1.1	-0.2	100,905	99,644	100,128	101,993	-1.1
Miscellaneous series :											
Producers' durable equipment	242,909	243,049	245,847	-0.1	-1.1	+0.2	242,698	240,977	244,401	259,067	-6.3
Household durable goods	5,311	5,495	5,350	-3.3	+2.7	+1.2	4,875	4,328	4,442	4,431	+10.0
Information technology industries	38,466	38,711	39,080	-0.6	-0.9	-1.7	38,220	38,307	39,288	42,178	-9.4
Health care equipment and products	7,455	7,434	7,850	+0.3	-5.3	-2.2	7,454	7,434	7,850	8,142	-8.5
TOTAL INVENTORIES											
All manufacturing industries	374,402	375,701	377,820	-0.3	-0.6	-0.1	373,854	369,493	377,403	387,733	-3.6
Market categories :											
Automotive equipment	6,396	6,474	6,493	-1.2	-0.3	+1.5	6,533	6,383	6,568	6,797	-3.9
Home goods and apparel	27,164	26,684	26,403	+1.8	+1.1	+0.7	26,971	25,786	25,328	26,009	+3.7
Consumer staples	54,703	55,125	55,260	-0.8	-0.2	-0.1	55,166	55,212	56,504	55,109	+0.1
Machinery and equipment	85,881	85,919	86,114	0.0	-0.2	-0.1	85,222	83,496	86,223	86,960	-2.0
Business supplies	21,340	21,419	21,426	-0.4	0.0	-0.3	20,970	20,772	21,324	22,138	-5.3
Construction materials and supplies	22,649	22,723	22,947	-0.3	-1.0	+0.3	22,713	22,394	22,663	23,895	-4.9
Defense products	32,390	32,805	33,476	-1.3	-2.0	-1.0	31,730	31,703	33,496	34,494	-8.0
Other materials, supplies and and intermediate products	123,879	124,552	125,701	-0.5	-0.9	-0.1	124,549	123,747	125,297	132,331	-5.9
Durable goods industries :											
Nondefense capital goods [3]	81,527	81,644	81,949	-0.1	-0.4	-0.1	80,784	79,354	82,054	83,321	-3.0
Excluding aircraft and parts	53,217	53,417	53,686	-0.4	-0.5	-0.4	52,690	51,717	53,789	55,648	-5.3
Defense capital goods [4]	34,354	34,886	35,758	-1.5	-2.4	-1.1	33,566	33,583	35,843	36,875	-9.0
Durables excluding capital goods	123,336	123,762	124,583	-0.3	-0.7	0.0	123,797	122,193	124,017	130,839	-5.4
Miscellaneous series :											
Producers' durable equipment	138,229	138,239	138,859	0.0	-0.4	+0.1	137,910	134,989	138,673	142,021	-2.9
Household durable goods	12,521	12,391	12,312	+1.0	+0.6	+1.0	12,475	11,907	11,951	12,700	-1.8
Information technology industries	26,522	26,297	26,328	+0.9	-0.1	-0.6	26,123	25,582	26,627	27,523	-5.1
Health care equipment and products	11,864	11,858	11,942	+0.1	-0.7	+0.3	11,710	11,581	11,923	11,163	+4.9

See footnotes at end of table 5.

Table 7. VALUE OF MANUFACTURERS' INVENTORIES, BY STAGE OF FABRICATION, BY INDUSTRY GROUP
(Millions of dollars)

Industry	Seasonally adjusted						Not seasonally adjusted				
	Monthly			Percent Change			Monthly				Percent change
	Jan. 1992[p]	Dec. 1991[r]	Nov. 1991	Dec.-Jan.	Nov.-Dec.	Oct.-Nov.	Jan. 1992[p]	Dec. 1991[r]	Nov. 1991	Jan. 1991	Jan. 92/91
MATERIALS AND SUPPLIES											
All manufacturing industries	115,522	115,760	115,881	-0.2	-0.1	-0.4	116,925	116,683	115,790	122,376	-4.5
Durable goods industries	65,925	66,067	66,555	-0.2	-0.7	-0.4	66,552	66,208	66,567	71,570	-7.0
Stone, clay, and glass products	2,464	2,467	2,470	-0.1	-0.1	+0.2	2,483	2,482	2,446	2,572	-3.5
Primary metals	6,595	6,737	6,828	-2.1	-1.3	-2.0	6,729	7,033	6,945	7,470	-9.9
Fabricated metal products	7,838	7,891	8,056	-0.7	-2.0	+0.6	7,936	7,878	7,975	8,607	-7.8
Industrial machinery and equipment	12,138	12,191	12,225	-0.4	-0.3	-0.8	12,303	12,018	12,210	13,489	-8.8
Electronic and other electrical equipment	8,605	8,612	8,632	-0.1	-0.2	-0.9	8,584	8,555	8,561	9,326	-8.0
Transportation equipment	13,925	13,983	14,384	-0.4	-2.8	+0.1	14,001	13,962	14,335	15,372	-8.9
Instruments and related products	5,972	5,931	5,799	+0.7	+2.3	-0.1	5,957	5,788	5,749	5,731	+3.9
Lumber, furniture and miscellaneous durable goods	8,388	8,255	8,161	+1.6	+1.2	0.0	8,559	8,492	8,346	9,003	-4.9
Nondurable goods industries	49,597	49,693	49,326	-0.2	+0.7	-0.5	50,373	50,475	49,223	50,806	-0.9
Food and kindred products	9,588	9,467	9,299	+1.3	+1.8	-2.0	9,897	9,794	9,668	9,680	+2.2
Tobacco products	4,518	4,532	4,316	-0.3	+5.0	-1.7	4,942	4,932	4,300	4,497	+9.9
Textile mill products	2,526	2,495	2,458	+1.2	+1.5	-0.2	2,537	2,432	2,347	2,504	+1.3
Paper and allied products	7,111	7,094	7,028	+0.2	+0.9	-0.6	7,207	7,178	6,965	7,251	-0.6
Chemicals and allied products	10,914	10,987	10,999	-0.7	-0.1	-0.4	10,922	10,975	10,913	11,091	-1.5
Petroleum and coal products	2,935	3,134	3,342	-6.3	-6.2	+0.6	2,855	3,227	3,340	3,434	-16.9
Rubber and plastics products	4,024	4,043	4,026	-0.5	+0.4	-0.7	4,069	4,173	4,041	4,427	-8.1
Apparel, printing and publishing and leather goods	7,981	7,941	7,858	+0.5	+1.1	+1.6	7,944	7,764	7,649	7,922	+0.3
WORK IN PROCESS											
All manufacturing industries	136,054	136,606	137,861	-0.4	-0.9	-0.3	134,174	132,569	138,238	139,708	-4.0
Durable goods industries	113,554	114,295	115,382	-0.6	-0.9	-0.1	111,789	110,800	115,590	117,421	-4.8
Stone, clay, and glass products	1,027	1,034	1,059	-0.7	-2.4	+1.3	1,025	988	1,007	1,047	-2.1
Primary metals	8,264	8,394	8,513	-1.5	-1.4	-0.9	8,207	8,284	8,429	9,281	-11.6
Fabricated metal products	7,869	7,631	7,760	+3.1	-1.7	-0.5	7,849	7,411	7,853	8,445	-7.1
Industrial machinery and equipment	20,597	20,832	21,247	-1.1	-2.0	-0.2	20,156	20,120	21,476	21,077	-4.4
Electronic and other electrical equipment	11,932	11,906	11,936	+0.2	-0.3	+0.2	11,699	11,458	11,873	11,973	-2.3
Transportation equipment	47,608	48,059	48,354	-0.9	-0.6	+0.7	46,819	46,598	48,478	48,350	-3.2
Instruments and related products	11,938	12,099	12,170	-1.3	-0.6	-2.0	11,703	11,661	12,212	12,841	-8.9
Lumber, furniture and miscellaneous durable goods	4,319	4,340	4,343	-0.5	-0.1	-1.8	4,331	4,280	4,262	4,407	-1.7
Nondurable goods industries	22,500	22,311	22,479	+0.8	-0.7	-1.5	22,385	21,769	22,648	22,287	+0.4
Food and kindred products	3,471	3,454	3,467	+0.5	-0.4	+0.5	3,531	3,553	3,650	3,515	+0.5
Tobacco products	170	115	198	+47.8	-41.9	+9.4	171	120	271	150	+14.0
Textile mill products	2,439	2,455	2,466	-0.7	-0.4	-2.7	2,430	2,371	2,434	2,469	-1.6
Paper and allied products	1,226	1,222	1,246	+0.3	-1.9	+1.7	1,211	1,206	1,220	1,340	-9.6
Chemicals and allied products	5,463	5,496	5,406	-0.6	+1.7	-2.3	5,451	5,309	5,391	5,192	+5.0
Petroleum and coal products	2,619	2,625	2,720	-0.2	-3.5	-2.0	2,605	2,562	2,775	2,746	-5.1
Rubber and plastics products	1,527	1,501	1,552	+1.7	-3.3	-3.5	1,569	1,488	1,576	1,651	-5.0
Apparel, printing and publishing and leather goods	5,585	5,443	5,424	+2.6	+0.4	-1.6	5,417	5,160	5,331	5,224	+3.7
FINISHED GOODS											
All manufacturing industries	122,826	123,335	124,078	-0.4	-0.6	+0.6	122,755	120,241	123,375	125,649	-2.3
Durable goods industries	59,738	59,930	60,353	-0.3	-0.7	-0.2	59,806	58,122	59,757	62,044	-3.6
Stone, clay, and glass products	4,413	4,467	4,433	-1.2	+0.8	+1.9	4,389	4,396	4,313	4,562	-3.8
Primary metals	6,179	6,228	6,250	-0.8	-0.4	+0.4	6,187	6,102	6,182	6,699	-7.6
Fabricated metal products	7,251	7,193	7,202	+0.8	-0.1	+0.7	7,233	7,029	7,008	7,501	-3.6
Industrial machinery and equipment	12,264	12,314	12,539	-0.4	-1.8	-2.2	12,382	11,979	12,399	13,243	-6.5
Electronic and other electrical equipment	8,080	7,986	8,178	+1.2	-2.3	-1.0	7,987	7,742	8,045	8,279	-3.5
Transportation equipment	8,864	9,096	9,238	-2.6	-1.5	-0.8	9,055	8,747	9,529	9,214	-1.7
Instruments and related products	5,304	5,303	5,264	0.0	+0.7	+0.1	5,179	5,069	5,277	5,050	+2.6
Lumber, furniture and miscellaneous durable goods	7,383	7,343	7,249	+0.5	+1.3	+1.8	7,394	7,058	7,004	7,496	-1.4
Nondurable goods industries	63,088	63,405	63,725	-0.5	-0.5	+1.4	62,949	62,119	63,618	63,605	-1.0
Food and kindred products	15,620	15,916	16,101	-1.9	-1.1	+1.2	15,718	16,018	16,903	15,406	+2.0
Tobacco products	1,245	1,218	1,192	+2.2	+2.2	-9.0	1,306	979	1,130	1,428	-8.5
Textile mill products	3,773	3,698	3,702	+2.0	-0.1	-1.4	3,719	3,467	3,577	3,835	-3.0
Paper and allied products	5,214	5,171	5,183	+0.8	-0.2	+2.1	5,269	5,041	5,070	5,045	+4.4
Chemicals and allied products	16,290	16,421	16,507	-0.8	-0.5	+2.8	16,433	16,403	16,393	16,562	-0.8
Petroleum and coal products	5,051	5,273	5,438	-4.2	-3.0	+2.5	5,003	5,156	5,593	6,038	-17.1
Rubber and plastics products	5,721	5,701	5,725	+0.4	-0.4	+2.0	5,728	5,552	5,562	6,028	-5.0
Apparel, printing and publishing and leather goods	10,174	10,007	9,877	+1.7	+1.3	+0.3	9,773	9,503	9,390	9,263	+5.5

[p] Preliminary. [r] Revised.

Table 8. RATIOS OF MANUFACTURES' INVENTORIES TO SHIPMENTS AND UNFILLED ORDERS TO SHIPMENTS, BY INDUSTRY GROUP
(Based on seasonally adjusted data)

Industry	Inventory / Shipments ratio				Unfilled Orders / Shipments ratio[1]			
	Jan. 1992[p]	Dec. 1991[r]	Nov. 1991	Oct. 1991	Jan. 1992[p]	Dec. 1991[r]	Nov. 1991	Oct. 1991
All manufacturing industries	1.59	1.59	1.54	1.54	3.91	3.94	3.80	3.82
urable goods industries	1.97	2.01	1.91	1.92	4.77	4.84	4.62	4.67
Stone, clay, and glass products	1.69	1.73	1.68	1.66	1.46	1.50	1.47	1.52
Primary metals	1.98	2.05	2.01	2.03	1.87	2.00	1.99	1.98
Fabricated metal products	1.49	1.49	1.45	1.46	1.88	1.89	1.81	1.84
Industrial machinery and equipment	2.15	2.22	2.17	2.21	2.72	2.74	2.65	2.73
Electronic and other electrical equipment	1.67	1.60	1.61	1.66	2.78	2.66	2.62	2.70
Transportation equipment	2.31	2.40	2.14	2.07	13.13	13.85	12.29	11.96
Instruments and related products	2.41	2.37	2.27	2.33	5.79	5.66	5.54	5.76
ondurable goods industries	1.18	1.17	1.14	1.14	0.77	0.77	0.76	0.75
Food and kindred products	0.88	0.87	0.85	0.86	(X)	(X)	(X)	(X)
Tobacco products	2.38	2.58	1.90	2.26	(X)	(X)	(X)	(X)
Textile mill products	1.56	1.57	1.52	1.53	(NA)	(NA)	(NA)	(NA)
Paper and allied products	1.34	1.33	1.32	1.31	(NA)	(NA)	(NA)	(NA)
Chemicals and allied products	1.37	1.39	1.38	1.34	(X)	(X)	(X)	(X)
Petroleum and coal products	0.88	0.86	0.84	0.82	(X)	(X)	(X)	(X)
Rubber and plastics products	1.42	1.46	1.43	1.40	(X)	(X)	(X)	(X)

[p] Preliminary. [r] Revised. (X) Not applicable. (NA) Not available.

[1] Excludes the following industries with no unfilled orders : Wood and lumber products; glass containers; metal cans, barrels and drums; farm and garden machinery; motor vehicle assembly perations; other transportation equipment; foods and related products; tobacco; knitting mill products; apparel and related products; chemicals; petroleum and coal products; and rubber and plastics oducts

Table 9. AVERAGE REVISIONS TO PREVIOUSLY PUBLISHED MONTHLY PERCENT CHANGES
(Based on seasonally adjusted data)

Industry	Shipments			New orders			Unfilled orders			Inventories		
	Jan. 1991	Jan.[1] 1987-1991	Jan. 1991-Dec. 1991	Jan. 1991	Jan.[1] 1987-1991	Jan. 1991-Dec. 1991	Jan. 1991	Jan.[1] 1987-1991	Jan. 1991-Dec. 1991	Jan. 1991	Jan.[1] 1987-1991	Jan. 1991-Dec. 1991
All manufacturing industries	0.8	0.4	0.1	0.1	0.3	0.1	0.1	0.1	0.1	0.1	0.1	0.1
rable goods industries	2.1	0.6	0.3	0.3	0.3	0.3	0.1	0.1	0.1	0.3	0.1	0.1
tone, clay, and glass products	2.5	1.1	0.9	2.2	1.1	1.0	0.6	0.3	0.4	0.3	0.7	0.3
rimary metals	1.9	0.7	0.4	3.5	1.2	0.8	0.3	0.3	0.3	0.1	0.3	0.1
abricated metal products	2.5	1.4	0.4	2.3	1.5	0.6	0.0	0.4	0.3	2.9	0.8	0.4
ndustrial machinery and equipment	3.6	1.3	0.6	4.5	2.0	0.7	0.1	0.3	0.2	0.0	0.2	0.1
lectronic and other electrical equipment	1.3	0.7	0.3	4.2	1.3	1.2	1.1	0.3	0.4	0.0	0.1	0.1
ransportation equipment	2.8	0.7	0.5	2.2	0.6	0.5	0.1	0.0	0.0	0.3	0.1	0.3
nstruments and related products	2.8	2.3	0.4	14.3	4.5	1.8	0.1	0.4	0.1	0.6	0.3	0.1
ndurable goods industries	0.4	0.3	0.2	0.5	0.4	0.2	0.5	0.7	0.2	0.2	0.1	0.1
ood and kindred products	0.2	0.2	0.2	(X)	(X)	(X)	(X)	(X)	(X)	0.0	0.2	0.1
obacco products	6.5	1.4	0.7	(X)	(X)	(X)	(X)	(X)	(X)	0.0	0.4	0.0
extile mill products	0.1	0.4	0.2	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	0.9	1.1	0.2
aper and allied products	0.8	0.8	0.3	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	0.7	0.5	0.2
hemicals and allied products	0.7	0.7	0.4	(X)	(X)	(X)	(X)	(X)	(X)	0.2	0.2	0.1
etroleum and coal products	3.5	1.5	0.6	(X)	(X)	(X)	(X)	(X)	(X)	0.1	0.7	0.1
ubber and plastics products	3.4	1.6	0.6	(X)	(X)	(X)	(X)	(X)	(X)	0.1	0.9	0.1
pital goods industries :												
ondefense	2.0	0.8	0.4	2.6	1.1	0.6	0.0	0.1	0.0	0.1	0.2	0.3
efense	1.0	0.6	0.5	21.9	5.9	2.9	0.3	0.1	0.1	0.3	0.1	0.1

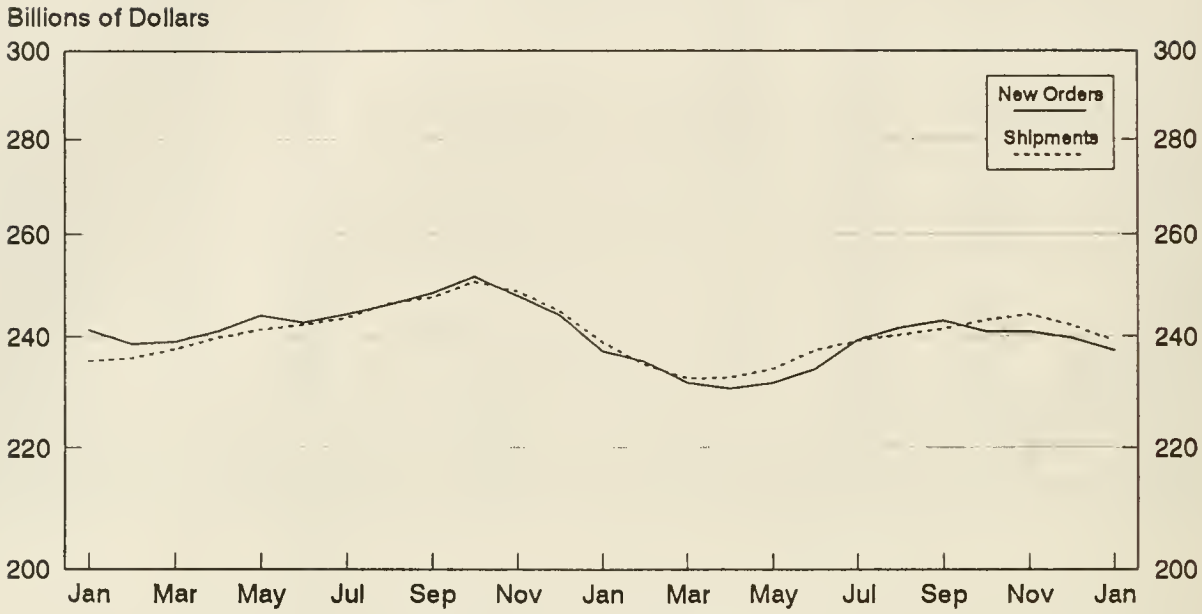
(X) Not applicable. (NA) Not available.

Note : The revisions are the differences between the month-to-month percent changes of the preliminary and final estimates. The monthly averages are the simple averages of the absolute values the differences for the months specified. The advance to final percent change revisions for the durable goods industries are shown in the advance report for the month.

[1] Average for this month for the last five years.

Total Manufacturing

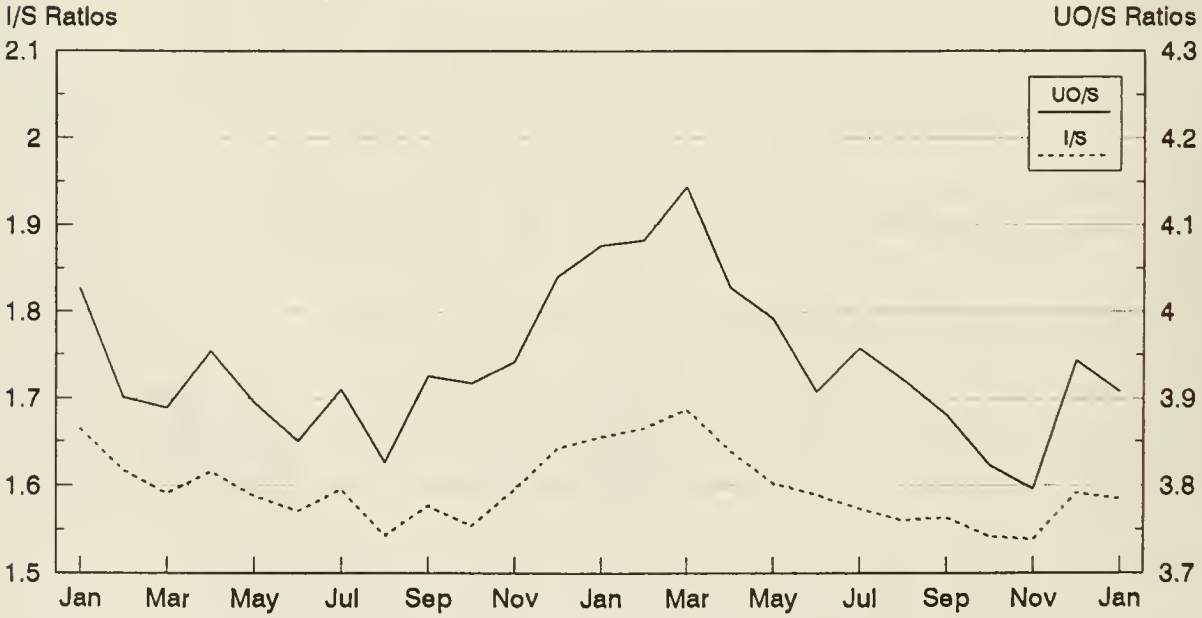
New Orders and Shipments
Three Month Moving Averages



Jan. 1990 - Jan. 1992

Total Manufacturing

Ratio of Unfilled Orders and
Inventories to Shipments

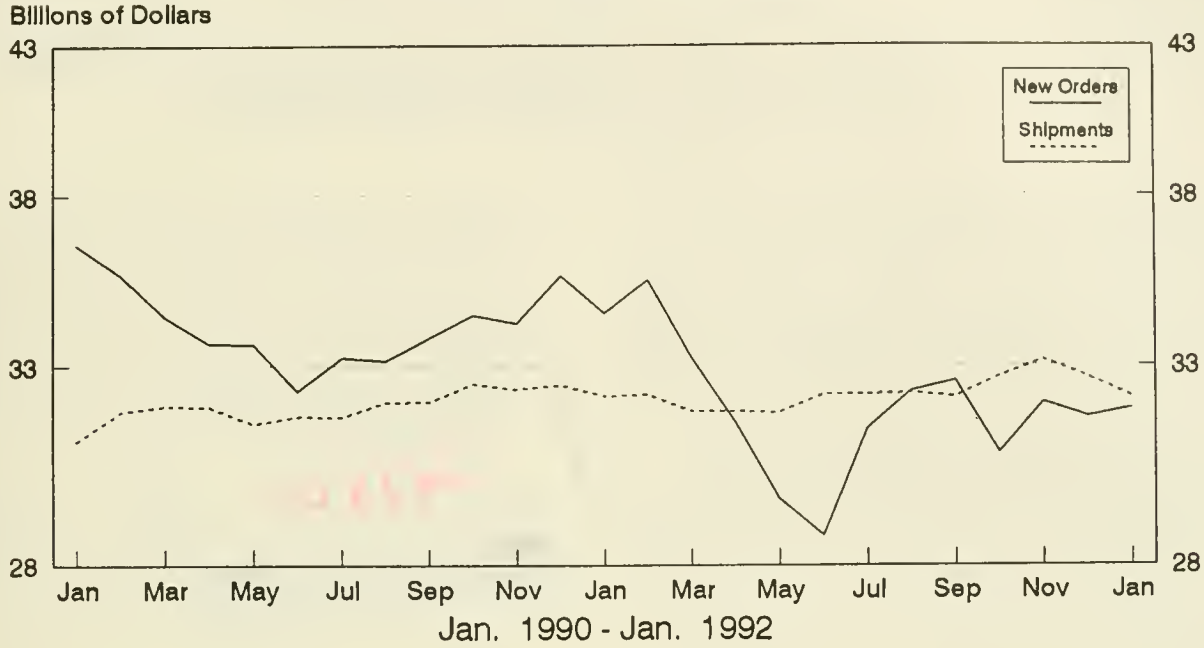


Jan. 1990 - Jan. 1992

Note: All Charts based on seasonally adjusted current dollars.

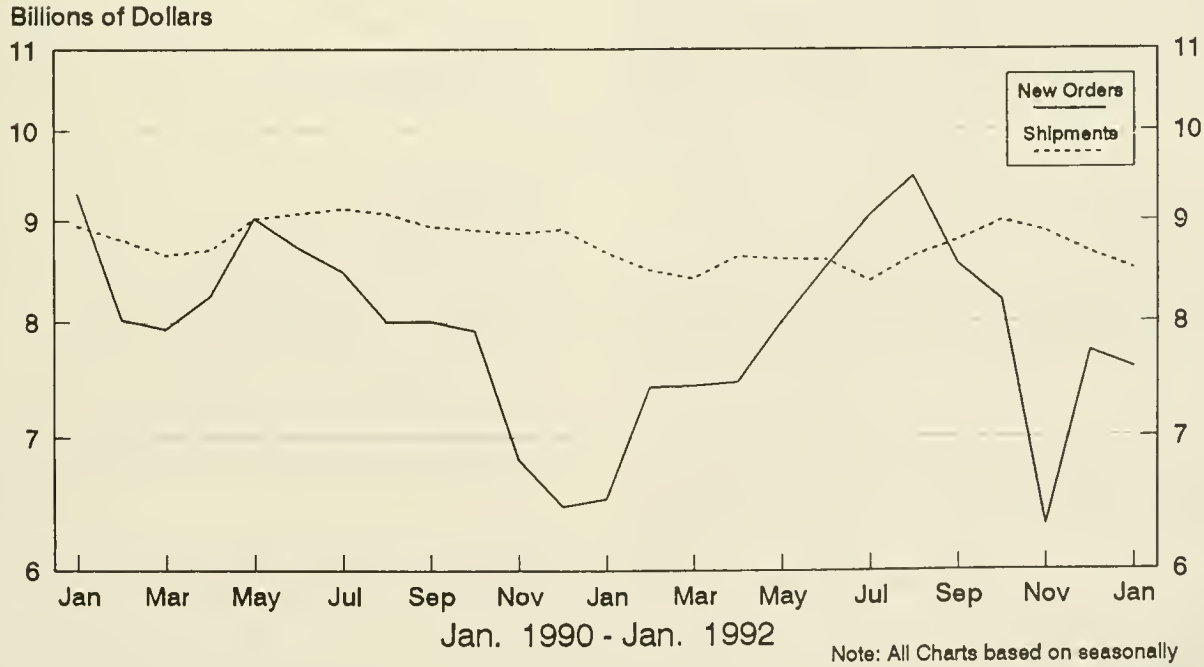
NonDefense Capital Goods

New Orders and Shipments
Three Month Moving Averages



Defense Capital Goods

New Orders and Shipments
Three Month Moving Averages



Note: All Charts based on seasonally adjusted current dollars.

U.S. Department of Commerce
BUREAU OF THE CENSUS
Washington, D.C. 20233

Official Business

Penalty for Private Use, $300

U.S.MAIL

POSTAGE AND FEES PAID
U S DEPARTMENT OF COMMERCE
COM-202

First Class Mail

APR 29 1992
BOSTON PUBLIC LIBRARY
GOVERNMENT DOCUMENTS DEPARTMENT

158: M 3-1-(92)-02

nt Industrial Report...

Manufacturers' Shipments, Inventories, and Orders

SUPERINTENDENT OF DOCUMENTS
DEPOSITORY
MAY 28 1992
BOSTON PUBLIC LIBRARY

S. Department of Commerce
UREAU OF THE CENSUS

February 1992
M3-1-(92)-02
For Wire Transmissions 10:00 a.m. E.S.T. Thursday, April 2, 1992

(All figures in text are in seasonally adjusted current dollars)

ummary

New orders for manufactured goods in February ncreased 1.2 billion or 0.5 percent to $236.4 billion, the epartment of Commerce, Bureau of the Census reported oday. The February increase follows a 0.5 percent January ncrease and 3.7 percent December decrease. An increase n nondurables more than offset a decline in durables.

Shipments were up $4.9 billion or 2.1 percent to $241.2 illion. This is the tenth increase in the last eleven months. oth durables and nondurables increased in February.

Unfilled orders decreased $4.9 billion or 1.0 percent to 505.3 billion and are at the lowest level since $505.1 billion n September 1989. This is the sixth consecutive monthly ecline and the twelfth in the last fourteen months. Both urables and nondurables were down in February.

Inventories were down $1.2 billion or 0.3 percent to 372.8 billion and are at the lowest level since $372.4 billion n February 1989. This is the fifth consecutive monthly ecline and eleventh in the last twelve months. A decrease n durables more than offset an increase in nondurables. he inventories-to-shipments ratio in February decreased to .55 from 1.58 in January.

lew Orders

New orders for durable goods in February decreased 0.4 billion or 0.3 percent to $120.2 billion. The February ecrease followed a 2.4 percent increase in January and a .0 percent decrease in December. Excluding defense, new rders were up $1.1 billion or 1.0 percent.

The largest decline occurred in instruments and related roducts, down $0.6 billion or 6.3 percent to $9.2 billion, rimarily due to search and navigation equipment. Other leclines included industrial machinery and equipment, down 0.4 billion or 1.9 percent to $20.6 billion, fabricated metal roducts, down $0.3 billion or 2.2 percent to $15.1 billion, nd electronic and other electrical equipment, down $0.3 illion or 1.9 percent to $17.0 billion. The largest increase ccurred in primary metals, up $0.8 billion or 8.0 percent to 10.9 billion. Transportation equipment was up $0.3 billion r 0.9 percent to $29.8 billion, as increases in motor vehicle nd parts and railroad and other transportation equipment nore than offset decreases in aircraft and parts and hipbuilding and tanks.

New orders for nondurable goods increased $1.6 billion r 1.4 percent to $116.2 billion, following consecutive leclines in January and December.

Shipments

Shipments of durable goods in February increased $3.3 billion or 2.7 percent to $124.9 billion, following a 1.5 percent increase in January. Like all manufactured goods, durable goods has shown ten increases in the last eleven months. Excluding transportation equipment, shipments were up $0.7 billion or 0.7 percent. Transportation equipment, led by motor vehicles and parts and aircraft and parts, was up $2.6 billion or 8.5 percent to $33.4 billion.

Shipments of nondurable goods increased $1.6 billion or 1.4 percent to $116.3 billion, following declines in January and December. Except for tobacco products, all major groups increased in February. The largest increases occurred in petroleum and coal products, up $0.7 billion, and food and kindred products, up $0.6 billion.

Unfilled Orders

Unfilled orders for durable goods in February decreased $4.7 billion or 1.0 percent to $483.6 billion and are at the lowest level since $483.2 billion in September 1989. This is the sixth consecutive monthly decline. Excluding defense, unfilled orders declined $2.1 billion. Transportation equipment was down $3.6 billion or 1.3 percent to $268.1 billion, primarily due to aircraft and parts, and is at the lowest level since $266.9 billion in March 1990. Instruments and related products declined $0.6 billion or 1.1 percent to $55.2 billion, primarily due to search and navigation equipment. Unfilled orders for nondurable goods, down $0.2 billion or 0.7 percent to $21.7 billion, have declined for the second consecutive month.

Inventories

Inventories for durable goods in February were down $1.2 billion or 0.5 percent to $237.7 billion and are at the lowest level since $237.6 billion in November 1988. This is the thirteenth decline in the last fifteen months. The largest decreases were in industrial machinery and equipment, down $0.4 billion, transportation equipment, down $0.3 billion, and fabricated metal products and instruments and related products, each down $0.2 billion. Nondurable goods increased $0.1 billion to $135.2 billion.

By stage of fabrication, finished-goods inventories were down 0.1 percent in durables and remained unchanged in nondurables. Work in process declined 0.7 percent in durables and increased 0.6 percent in nondurables. Materials and supplies decreased 0.5 percent in durables and 0.1 percent in nondurables.

(SEE BACK PAGE FOR UPCOMING REVISIONS)

he advance report on durable goods for March is scheduled for April 23, 1992 at 8:30 a.m. and the full report on April 30, 1992 at 10:00 a.m. Address inquiries oncerning these figures to U.S. Department of Commerce, Bureau of the Census, Industry Division, Washington, DC 20233 or call Steve Andrews or Kathleen Menth, (301) 763-2502 or (301) 763-2575.For sale by the Superintendent of Documents, U.S. Government Printing Office, Washington, DC 20402. This report s also available the day of issue through the Department of Commerce's online Economic Bulletin Board (N-8-1) (202-377-3870) and through the Census Bureau's online information service-CENDATA. CENDATA is available from Dialog Information Services, INC. (1-800-334-2464) and CompuServe (1-800-848-8199). The CENDATA staff at the Bureau of the Census (301-763-2074) can provide content information and general guidance.

Table 1. VALUE OF MANUFACTURERS' SHIPMENTS FOR INDUSTRY GROUPS
(Millions of dollars)

Industry	Seasonally adjusted						Not seasonally adjusted[1]						
	Monthly			Percent Change			Monthly				Percent change	Year to date	
	Feb. 1992[p]	Jan. 1992[r]	Dec. 1991	Jan.-Feb.	Dec.-Jan.	Nov.-Dec.	Feb. 1992[p]	Jan. 1992[r]	Dec. 1991	Feb. 1991	Feb. 92/91	1992[p]	1991
All manufacturing industries	241,229	236,367	235,997	+2.1	+0.2	-3.9	237,825	213,596	230,512	231,617	+2.7	451,421	445,872
Manufacturing industries with unfilled orders	132,824	130,522	129,660	+1.8	+0.7	-4.1	130,686	115,917	130,589	127,883	+2.2	246,603	243,878
Durable goods industries	124,892	121,615	119,795	+2.7	+1.5	-5.3	123,412	106,887	118,503	116,914	+5.6	230,299	221,536
With unfilled orders	104,509	102,474	101,035	+2.0	+1.4	-5.0	102,616	89,762	102,837	99,405	+3.2	192,378	188,571
Stone, clay, and glass products	4,802	4,697	4,608	+2.2	+1.9	-2.7	4,494	4,061	3,963	4,290	+4.8	8,555	8,323
Primary metals	10,877	10,688	10,412	+1.8	+2.7	-2.8	10,881	10,143	9,394	10,728	+1.4	21,024	21,345
Blast furnaces, steel mills	4,504	4,456	4,296	+1.1	+3.7	-1.3	4,463	4,330	3,885	4,299	+3.8	8,793	8,798
Iron and steel foundries	938	910	791	+3.1	+15.0	-8.3	923	810	646	845	+9.2	1,733	1,627
Nonferrous and other primary metals	5,435	5,322	5,325	+2.1	-0.1	-3.2	5,495	5,003	4,863	5,584	-1.6	10,498	10,920
Fabricated metal products	15,220	15,145	15,214	+0.5	-0.5	-4.0	15,230	13,449	13,929	14,819	+2.8	28,679	28,169
Industrial machinery and equipment	20,709	20,888	20,410	-0.9	+2.3	-3.9	20,027	17,544	22,592	20,308	-1.4	37,571	38,138
Engines and turbines	1,433	1,421	1,486	+0.8	-4.4	-2.6	1,380	1,143	2,067	1,214	+13.7	2,523	2,315
Farm and garden machinery	1,339	1,427	1,169	-6.2	+22.1	-0.1	1,443	1,281	1,142	1,421	+1.5	2,724	2,566
Construction, mining and material handling equipment	2,385	2,314	2,455	+3.1	-5.7	+0.8	2,452	2,083	2,319	2,898	-15.4	4,535	5,484
Metalworking machinery	1,767	1,718	1,856	+2.9	-7.4	+2.9	1,790	1,399	1,902	1,772	+1.0	3,189	3,171
Computer and office equipment	6,347	6,496	5,832	-2.3	+11.4	-9.4	5,446	4,837	8,166	4,990	+9.1	10,283	9,367
Electronic and other electrical equipment	17,311	17,094	17,766	+1.3	-3.8	-0.6	17,024	15,213	18,344	16,459	+3.4	32,237	31,217
Electrical transmission and distribution equipment and industrial apparatus	2,243	2,271	2,388	-1.2	-4.9	+5.1	2,316	2,023	2,335	2,322	-0.3	4,339	4,353
Household appliances	1,527	1,407	1,584	+8.5	-11.2	-6.9	1,481	1,256	1,454	1,420	+4.3	2,737	2,764
Electric lighting and wiring equipment	1,330	1,302	1,318	+2.2	-1.2	-2.3	1,369	1,141	1,402	1,318	+3.9	2,510	2,451
Household audio and video equipment	1,025	953	912	+7.6	+4.5	-9.9	925	784	878	705	+31.2	1,709	1,392
Communications equipment	4,311	4,404	4,334	-2.1	+1.6	-0.3	4,103	3,780	5,304	3,918	+4.7	7,883	7,454
Electronic components	5,398	5,368	5,458	+0.6	-1.6	-0.9	5,468	5,001	5,207	5,291	+3.3	10,469	9,952
Transportation equipment	33,397	30,788	29,658	+8.5	+3.8	-11.7	33,740	26,763	28,918	29,488	+14.4	60,503	54,595
Motor vehicles and parts	19,773	18,360	17,818	+7.7	+3.0	-10.2	20,780	17,016	14,344	17,002	+22.2	37,796	32,469
Aircraft, missiles, space vehicles, and parts	11,710	10,697	10,081	+9.5	+6.1	-14.8	11,086	8,256	12,753	10,761	+3.0	19,342	18,806
Shipbuilding and tanks	1,021	901	800	+13.3	+12.6	-17.0	996	729	995	930	+7.1	1,725	1,817
Instruments and related products	9,839	9,705	9,840	+1.4	-1.4	-3.9	9,459	8,607	10,753	9,462	0.0	18,066	18,176
Search and navigation equipment	2,872	2,743	2,620	+4.7	+4.7	-12.6	2,634	2,180	3,325	2,585	+1.9	4,814	4,881
Measuring and controlling devices	2,351	2,369	2,383	-0.8	-0.6	-1.1	2,280	2,250	2,404	2,266	+0.6	4,530	4,417
Medical instruments and supplies	2,522	2,526	2,572	-0.2	-1.8	-1.1	2,555	2,396	2,642	2,507	+1.9	4,951	4,878
Photographic goods	1,820	1,763	1,930	+3.2	-8.7	+1.0	1,711	1,520	2,073	1,823	-6.1	3,231	3,502
All other durable goods	12,737	12,610	11,887	+1.0	+6.1	-3.5	12,557	11,107	10,610	11,360	+10.5	23,664	21,573
Nondurable goods industries	116,337	114,752	116,202	+1.4	-1.2	-2.3	114,413	106,709	112,009	114,703	-0.3	221,122	224,336
With unfilled orders	28,315	28,048	28,625	+1.0	-2.0	-0.9	28,070	26,155	27,752	28,478	-1.4	54,225	55,307
Food and kindred products	33,138	32,502	33,233	+2.0	-2.2	-2.0	32,759	30,025	32,702	32,651	+0.3	62,784	62,563
Meat products	7,695	7,713	7,458	-0.2	+3.4	-6.2	7,541	7,151	7,451	7,838	-3.8	14,692	15,336
Dairy products	4,592	4,476	4,629	+2.6	-3.3	-0.3	4,491	4,203	4,484	4,257	+5.5	8,694	8,417
Beverages	4,633	4,446	4,691	+4.2	-5.2	+4.0	4,216	3,870	4,240	3,973	+6.1	8,086	7,664
All other foods, except fats and oils	14,665	14,261	14,873	+2.8	-4.1	-2.6	14,958	13,195	14,945	15,093	-0.9	28,153	28,291
Tobacco products	2,398	2,513	2,275	-4.6	+10.5	-24.4	1,868	1,599	2,825	1,826	+2.3	3,467	3,374
Textile mill products	5,612	5,605	5,509	+0.1	+1.7	-2.7	5,483	4,857	5,047	4,831	+13.5	10,340	9,098
Broadwoven fabrics and other textiles	3,422	3,401	3,340	+0.6	+1.8	-1.5	3,374	2,990	3,170	2,916	+15.7	6,364	5,546
Paper and allied products	10,182	10,088	10,167	+0.9	-0.8	-0.3	10,282	9,808	9,790	10,334	-0.5	20,090	20,364
Pulp, paper, and paperboard mill products	4,261	4,187	4,223	+1.8	-0.9	-1.9	4,368	4,108	4,168	4,528	-3.5	8,476	8,972
Paperboard containers and boxes	2,360	2,340	2,332	+0.9	+0.3	-0.7	2,353	2,260	2,182	2,276	+3.4	4,613	4,537
Miscellaneous converted paper products	3,561	3,561	3,612	0.0	-1.4	+1.9	3,561	3,440	3,440	3,530	+0.9	7,001	6,855
Chemicals and allied products	24,008	23,966	23,726	+0.2	+1.0	-0.3	24,168	23,347	22,590	24,205	-0.2	47,515	47,906
Industrial chemicals	12,213	12,110	12,095	+0.9	+0.1	-1.8	12,567	11,614	11,447	13,157	-4.5	24,181	26,149
Drugs, soaps, and toiletries	9,110	9,420	9,059	-3.3	+4.0	+0.8	9,064	9,485	8,924	8,618	+5.2	18,549	16,997
Petroleum and coal products	12,756	12,038	12,897	+6.0	-6.7	-5.9	11,732	11,546	12,981	13,261	-11.5	23,278	28,196
Rubber and plastics products	8,028	7,975	7,719	+0.7	+3.3	-2.5	8,042	7,378	6,931	7,482	+7.5	15,420	14,435
All other nondurable goods	20,215	20,065	20,676	+0.7	-3.0	-0.2	20,079	18,149	19,143	20,113	-0.2	38,228	38,400

[p] Preliminary. [r] Revised.

[1] Shipments and new orders are the totals for the period and are adjusted for trading-day and calendar-month variations.

Table 2. VALUE OF MANUFACTURERS' NEW ORDERS FOR INDUSTRY GROUPS
(Millions of dollars)

Industry	Seasonally adjusted						Not seasonally adjusted[1]						
	Monthly			Percent Change			Monthly				Percent change	Year to date	
	Feb. 1992[p]	Jan. 1992[r]	Dec. 1991	Jan.-Feb.	Dec.-Jan.	Nov.-Dec.	Feb. 1992[p]	Jan. 1992[r]	Dec. 1991	Feb. 1991	Feb. 92/91	1992[p]	1991
nufacturing industries	236,365	235,188	234,102	+0.5	+0.5	-3.7	234,570	215,622	229,451	234,071	+0.2	450,192	451,514
uring industries with orders	127,960	129,343	127,765	-1.1	+1.2	-3.8	127,431	117,943	129,528	130,337	-2.2	245,374	249,520
goods industries	120,181	120,567	117,785	-0.3	+2.4	-5.0	119,996	108,873	117,481	119,158	+0.7	228,869	226,907
filled orders	99,798	101,426	99,025	-1.6	+2.4	-4.6	99,200	91,748	101,815	101,649	-2.4	190,948	193,942
y, and glass products	4,746	4,722	4,609	+0.5	+2.5	+2.6	4,607	4,040	3,927	4,520	+1.9	8,647	8,490
metals	10,902	10,099	9,869	+8.0	+2.3	-7.9	11,191	10,013	9,648	10,347	+8.2	21,204	20,291
urnaces, steel mills	4,364	3,915	3,635	+11.5	+7.7	-12.2	4,472	4,185	3,677	4,115	+8.7	8,657	8,200
d steel foundries	781	888	906	-12.0	-2.0	+11.9	784	854	731	831	-5.7	1,638	1,596
rous and other primary s	5,757	5,296	5,328	+8.7	-0.6	-7.6	5,935	4,974	5,240	5,401	+9.9	10,909	10,495
d metal products	15,101	15,447	15,133	-2.2	+2.1	-3.3	15,119	14,014	14,029	14,481	+4.4	29,133	28,368
l machinery and equipment	20,602	21,002	19,842	-1.9	+5.8	-3.2	19,894	18,443	21,616	19,278	+3.2	38,337	38,520
s and turbines	1,366	1,482	1,267	-7.8	+17.0	-8.6	1,187	1,203	1,765	1,121	+5.9	2,390	2,480
uction, mining and ial handling equipment	2,492	2,353	2,549	+5.9	-7.7	+6.5	2,534	2,261	2,502	2,301	+10.1	4,795	5,336
orking machinery	1,824	1,958	2,189	-6.8	-10.6	+15.5	1,847	1,639	2,235	1,609	+14.8	3,486	2,964
ter and office equipment	6,087	6,148	5,179	-1.0	+18.7	-14.1	5,267	4,583	6,909	5,066	+4.0	9,850	9,784
c and other al equipment	17,027	17,354	18,281	-1.9	-5.1	+3.6	17,329	15,908	18,678	18,466	-6.2	33,237	33,118
cal transmission and ution equipment and rial apparatus	2,115	2,457	2,354	-13.9	+4.4	+10.4	2,229	2,296	2,299	2,427	-8.2	4,525	4,689
c lighting and g equipment	1,324	1,308	1,388	+1.2	-5.8	+5.6	1,363	1,147	1,472	1,368	-0.4	2,510	2,625
unications equipment	4,117	4,297	4,835	-4.2	-11.1	+26.5	3,951	3,777	5,693	4,394	-10.1	7,728	7,390
onic components	5,480	5,573	5,615	-1.7	-0.7	-7.3	5,871	5,355	5,406	6,259	-6.2	11,226	10,769
tation equipment	29,839	29,577	29,018	+0.9	+1.9	-13.7	30,176	25,897	28,738	30,850	-2.2	56,073	58,309
ft, missiles, e vehicles, and parts	8,295	9,661	10,007	-14.1	-3.5	-21.0	7,660	7,437	13,055	12,650	-39.4	15,097	22,146
uilding and tanks	542	647	764	-16.2	-15.3	+107.0	484	464	817	537	-9.9	948	1,985
nts and related products	9,230	9,847	8,823	-6.3	+11.6	-0.6	8,987	8,956	10,325	9,831	-8.6	17,943	18,130
and navigation equipment	2,458	2,930	2,210	-16.1	+32.6	+23.9	2,366	2,561	3,486	3,076	-23.1	4,927	4,788
ring and controlling devices	2,207	2,380	2,377	-7.3	+0.1	-4.0	2,136	2,261	2,398	2,300	-7.1	4,397	4,520
al instruments and supplies	2,501	2,546	2,156	-1.8	+18.1	-11.2	2,534	2,416	2,226	2,390	+6.0	4,950	4,814
durable goods	12,734	12,519	12,210	+1.7	+2.5	-2.8	12,693	11,602	10,520	11,385	+11.5	24,295	21,681
ble goods industries	116,184	114,621	116,317	+1.4	-1.5	-2.3	114,574	106,749	111,970	114,913	-0.3	221,323	224,607
unfilled orders	28,162	27,917	28,740	+0.9	-2.9	-1.0	28,231	26,195	27,713	28,688	-1.6	54,426	55,578

inary. [r] Revised.

ents and new orders are the totals for the period and are adjusted for trading-day and calendar-month variations.

n new orders for a prior month are negative because of cancellations, the percentage change calculation is algebraically negative, even though there is a net dollar increase from the prior to the current month.

Table 3. VALUE OF MANUFACTURERS' UNFILLED ORDERS FOR INDUSTRY GROUPS
(Millions of dollars)

Industry	Seasonally adjusted						Not seasonally adjusted				
	Monthly			Percent Change			Monthly				Perce chang
	Feb. 1992[p]	Jan. 1992[r]	Dec. 1991	Jan.-Feb.	Dec.-Jan.	Nov.-Dec.	Feb. 1992[p]	Jan. 1992[r]	Dec. 1991	Feb. 1991	Feb 92/9
All manufacturing industries	505,305	510,169	511,348	-1.0	-0.2	-0.4	506,698	509,953	507,927	529,714	-4.
Durable goods industries	483,609	488,320	489,368	-1.0	-0.2	-0.4	485,315	488,731	486,745	509,502	-4.
Stone, clay, and glass products	6,250	6,306	6,281	-0.9	+0.4	0.0	6,246	6,133	6,154	5,251	+18.
Primary metals	20,229	20,204	20,793	+0.1	-2.8	-2.5	20,545	20,235	20,365	21,305	-3.
Blast furnaces, steel mills	6,982	7,122	7,663	-2.0	-7.1	-7.9	7,317	7,308	7,453	7,666	-4.
Iron and steel foundries	2,629	2,786	2,808	-5.6	-0.8	+4.3	2,642	2,781	2,737	2,987	-11.
Nonferrous and other primary metals	10,618	10,296	10,322	+3.1	-0.3	0.0	10,586	10,146	10,175	10,652	-0.
Fabricated metal products	26,470	26,589	26,287	-0.4	+1.1	-0.3	26,522	26,633	26,068	27,459	-3.
Industrial machinery and equipment	52,702	52,809	52,695	-0.2	+0.2	-1.1	53,057	53,190	52,291	57,307	-7.
Engines and turbines	8,583	8,650	8,589	-0.8	+0.7	-2.5	8,671	8,864	8,804	8,063	+7.
Construction, mining and material handling equipment	6,790	6,683	6,644	+1.6	+0.6	+1.4	6,905	6,823	6,645	7,943	-13.
Metalworking machinery	7,465	7,408	7,168	+0.8	+3.3	+4.9	7,465	7,408	7,168	6,847	+9.
Computer and office equipment	10,089	10,349	10,697	-2.5	-3.3	-5.8	9,877	10,056	10,310	12,135	-18.
Electronic and other electrical equipment	47,256	47,540	47,280	-0.6	+0.5	+1.1	47,550	47,245	46,550	50,544	-5.
Electrical transmission and distribution equipment and industrial apparatus	6,517	6,645	6,459	-1.9	+2.9	-0.5	6,587	6,674	6,401	6,916	-4.
Electric lighting and wiring equipment	2,383	2,389	2,383	-0.3	+0.3	+3.0	2,383	2,389	2,383	2,241	+6.
Communications equipment	19,482	19,676	19,783	-1.0	-0.5	+2.6	19,577	19,729	19,732	22,339	-12.
Electronic components	14,726	14,644	14,439	+0.6	+1.4	+1.1	14,770	14,367	14,013	14,522	+1.
Transportation equipment	268,103	271,661	272,872	-1.3	-0.4	-0.2	268,608	272,172	273,038	281,222	-4.
Aircraft, missiles, space vehicles, and parts	234,228	237,643	238,679	-1.4	-0.4	0.0	234,708	238,134	238,953	244,998	-4.
Shipbuilding and tanks	24,469	24,948	25,202	-1.9	-1.0	-0.1	24,295	24,807	25,072	26,940	-9.
Instruments and related products	55,217	55,826	55,684	-1.1	+0.3	-1.8	55,877	56,349	56,000	59,999	-6.
Search and navigation equipment	39,214	39,628	39,441	-1.0	+0.5	-1.0	39,907	40,175	39,794	42,765	-6.
Measuring and controlling devices	7,934	8,078	8,067	-1.8	+0.1	-0.1	7,934	8,078	8,067	8,239	-3.
Medical instruments and supplies	7,406	7,427	7,407	-0.3	+0.3	-5.3	7,406	7,427	7,407	7,997	-7.
All other durable goods	7,382	7,385	7,476	0.0	-1.2	+4.5	6,910	6,774	6,279	6,415	+7.
Nondurable goods industries	21,696	21,849	21,980	-0.7	-0.6	+0.5	21,383	21,222	21,182	20,212	+5.

[p] Preliminary. [r] Revised.

Table 4. VALUE OF MANUFACTURERS' INVENTORIES FOR INDUSTRY GROUPS
(Millions of dollars)

Industry	Seasonally adjusted						Not seasonally adjusted				
	Monthly			Percent Change			Monthly				Percent change
	Feb. 1992[p]	Jan. 1992[r]	Dec. 1991	Jan.-Feb.	Dec.-Jan.	Nov.-Dec.	Feb. 1992[p]	Jan. 1992[r]	Dec. 1991	Feb. 1991	Feb. 92/91
nanufacturing industries	372,823	373,992	375,701	-0.3	-0.5	-0.6	375,233	373,463	369,493	390,570	-3.9
acturing industries with d orders	252,725	254,171	255,426	-0.6	-0.5	-0.7	253,352	252,321	249,257	268,028	-5.5
e goods industries	237,663	238,891	240,292	-0.5	-0.6	-0.8	239,074	237,799	235,130	253,719	-5.8
unfilled orders	219,523	220,746	222,124	-0.6	-0.6	-0.9	220,143	219,210	216,968	233,749	-5.8
clay, and glass products	7,937	7,911	7,968	+0.3	-0.7	+0.1	8,136	7,904	7,866	8,399	-3.1
y metals	20,861	20,986	21,359	-0.6	-1.7	-1.1	20,895	21,084	21,419	23,268	-10.2
furnaces, steel mills	10,330	10,303	10,476	+0.3	-1.7	-0.4	10,289	10,432	10,758	11,283	-8.8
and steel foundries	1,383	1,341	1,421	+3.1	-5.6	-4.2	1,412	1,359	1,396	1,472	-4.1
ferrous and other primary tals	9,148	9,342	9,462	-2.1	-1.3	-1.3	9,194	9,293	9,265	10,513	-12.5
ted metal products	22,778	22,975	22,715	-0.9	+1.1	-1.3	22,978	23,009	22,318	24,860	-7.6
ial machinery and equipment	44,468	44,914	45,337	-1.0	-0.9	-1.5	44,848	44,757	44,117	48,675	-7.9
nes and turbines	3,820	3,808	3,836	+0.3	-0.7	+6.0	3,680	3,548	3,435	3,705	-0.7
and garden machinery	2,224	2,262	2,278	-1.7	-0.7	-1.0	2,353	2,332	2,263	2,663	-11.6
truction, mining and erial handling equipment	6,087	6,194	6,361	-1.7	-2.6	-2.4	6,221	6,242	6,259	7,013	-11.3
dworking machinery	4,854	4,885	4,881	-0.6	+0.1	-0.7	4,839	4,836	4,732	4,990	-3.0
puter and office equipment	9,882	10,100	9,947	-2.2	+1.5	-4.4	9,912	9,982	9,679	11,092	-10.6
nic and other ical equipment	28,605	28,627	28,504	-0.1	+0.4	-0.8	28,633	28,264	27,755	29,722	-3.7
rical transmission and ibution equipment and strial apparatus	4,120	4,097	4,038	+0.6	+1.5	-2.9	4,141	4,084	3,971	4,352	-4.8
ehold appliances	2,345	2,316	2,249	+1.3	+3.0	-1.0	2,408	2,279	2,095	2,519	-4.4
ric lighting and ng equipment	3,137	3,135	3,185	+0.1	-1.6	-1.2	3,106	3,048	3,031	3,347	-7.2
ehold audio and o equipment	1,202	1,201	1,170	+0.1	+2.6	+2.8	1,184	1,166	1,102	1,049	+12.9
unications equipment	5,635	5,749	5,621	-2.0	+2.3	+2.3	5,596	5,668	5,559	5,616	-0.4
ronic components	8,631	8,574	8,682	+0.7	-1.2	-1.7	8,596	8,487	8,545	9,083	-5.4
ortation equipment	70,159	70,409	71,138	-0.4	-1.0	-1.2	70,517	69,887	69,307	73,856	-4.5
r vehicles and parts	12,418	12,423	12,777	0.0	-2.8	-1.5	12,952	12,799	12,701	13,716	-5.6
aft, missiles, e vehicles, and parts.	53,370	53,670	54,133	-0.6	-0.9	-1.4	53,241	52,849	52,554	55,955	-4.9
uilding and tanks	2,304	2,257	2,249	+2.1	+0.4	+8.3	2,193	2,166	2,090	1,957	+12.1
ents and related products	22,823	23,013	23,333	-0.8	-1.4	+0.4	22,791	22,632	22,518	23,995	-5.0
h and navigation equipment	7,935	8,161	8,503	-2.8	-4.0	+2.0	7,949	7,970	8,083	9,123	-12.9
uring and controlling devices	6,061	6,010	6,001	+0.8	+0.1	+0.7	6,025	5,960	5,913	6,243	-3.5
cal instruments and supplies	5,536	5,548	5,574	-0.2	-0.5	-1.4	5,564	5,494	5,430	5,308	+4.8
ographic goods	2,710	2,717	2,684	-0.3	+1.2	-0.8	2,675	2,645	2,538	2,697	-0.8
r durable goods	20,032	20,056	19,938	-0.1	+0.6	+0.9	20,276	20,262	19,830	20,944	-3.2
able goods industries	135,160	135,101	135,409	0.0	-0.2	-0.1	136,159	135,664	134,363	136,851	-0.5
unfilled orders	33,202	33,425	33,302	-0.7	+0.4	+0.3	33,209	33,111	32,289	34,279	-3.1
d kindred products	28,767	28,674	28,837	+0.3	-0.6	-0.1	28,994	29,148	29,365	28,337	+2.3
products	2,869	2,871	2,925	-0.1	-1.8	-1.3	2,932	2,847	2,813	3,104	-5.5
products	2,527	2,486	2,492	+1.6	-0.2	-0.9	2,519	2,449	2,409	2,464	+2.2
ages	4,809	4,927	4,980	-2.4	-1.1	+1.0	4,905	4,927	4,974	4,742	+3.4
her foods, except fats and oils	17,103	16,929	16,929	+1.0	0.0	0.0	17,086	17,362	17,521	16,405	+4.2
products	5,974	5,933	5,865	+0.7	+1.2	+2.8	6,398	6,412	6,031	6,077	+5.3
mill products	8,783	8,756	8,648	+0.3	+1.2	+0.3	8,880	8,696	8,270	8,921	-0.5
twoven fabrics and r textiles	5,030	5,040	4,976	-0.2	+1.3	-0.4	5,105	5,048	4,804	5,302	-3.7
nd allied products	13,535	13,562	13,487	-0.2	+0.6	+0.2	13,702	13,743	13,425	13,818	-0.8
paper, and rboard mill products	5,848	5,827	5,745	+0.4	+1.4	+1.3	5,977	5,969	5,745	5,662	+5.6
board containers and boxes	3,185	3,234	3,238	-1.5	-0.1	+0.3	3,169	3,291	3,278	3,318	-4.5
llaneous converted r products	4,502	4,501	4,504	0.0	-0.1	-1.2	4,556	4,483	4,402	4,838	-5.8
ls and allied products	32,807	32,609	32,904	+0.6	-0.9	0.0	33,206	32,755	32,687	33,121	+0.3
rial chemicals	16,418	16,409	16,534	+0.1	-0.8	-0.3	16,648	16,630	16,515	17,065	-2.4
, soaps, and toiletries	11,677	11,475	11,542	+1.8	-0.6	0.0	11,525	11,259	11,292	10,918	+5.6
m and coal products	10,518	10,648	11,032	-1.2	-3.5	-4.1	10,453	10,480	10,945	11,823	-11.6
and plastics products	11,113	11,230	11,245	-1.0	-0.1	-0.5	11,268	11,337	11,213	12,073	-6.7
r nondurable goods	23,663	23,689	23,391	-0.1	+1.3	+1.0	23,258	23,093	22,427	22,681	+2.5

inary. [r] Revised.

Table 5. VALUE OF MANUFACTURERS' SHIPMENTS AND NEW ORDERS FOR TOPICAL SERIES[1]
(Millions of dollars)

Industry	Seasonally adjusted						Not seasonally adjusted [2]						
	Monthly			Percent Change			Monthly				Percent change	Year to date	
	Feb. 1992[p]	Jan. 1992[r]	Dec. 1991	Jan.-Feb.	Dec.-Jan.	Nov.-Dec.	Feb. 1992[p]	Jan. 1992[r]	Dec. 1991	Feb. 1991	Feb. 92/91	1992[p]	1991
SHIPMENTS													
All manufacturing industries	241,229	236,367	235,997	+2.1	+0.2	-3.9	237,825	213,596	230,512	231,617	+2.7	451,421	445,872
Market categories :													
Automotive equipment	8,771	8,108	8,072	+8.2	+0.4	-9.7	9,154	7,403	6,567	7,521	+21.7	16,557	14,238
Home goods and apparel	15,627	15,591	15,458	+0.2	+0.9	-3.0	15,743	13,341	13,199	14,178	+11.0	29,084	26,306
Consumer staples	55,299	54,748	55,439	+1.0	-1.2	-3.0	53,726	50,862	55,493	54,377	-1.2	104,588	106,360
Machinery and equipment	39,687	38,674	37,844	+2.6	+2.2	-7.4	38,695	32,906	41,142	37,381	+3.5	71,601	69,941
Business supplies	18,637	18,259	18,968	+2.1	-3.7	-2.3	18,273	17,218	18,432	19,302	-5.3	35,491	38,071
Construction materials and supplies	14,229	13,811	13,723	+3.0	+0.6	-1.4	13,517	11,978	12,218	12,288	+10.0	25,495	23,678
Defense products	9,006	8,511	8,684	+5.8	-2.0	-2.4	8,573	6,916	10,597	8,153	+5.2	15,489	15,080
Other materials, supplies and and intermediate products	79,973	78,665	77,809	+1.7	+1.1	-3.1	80,144	72,972	72,864	78,417	+2.2	153,116	152,198
Durable goods industries :													
Nondefense capital goods [3]	32,523	31,909	31,148	+1.9	+2.4	-7.2	31,265	26,427	35,799	31,004	+0.8	57,692	57,405
Excluding aircraft and parts	25,856	26,084	25,656	-0.9	+1.7	-3.8	24,879	21,924	28,830	24,757	+0.5	46,803	46,591
Defense capital goods [4]	8,951	8,394	8,388	+6.6	+0.1	-4.8	8,362	6,658	10,660	7,974	+4.9	15,020	14,622
Durables excluding capital goods	83,418	81,312	80,259	+2.6	+1.3	-4.6	83,785	73,802	72,044	77,936	+7.5	157,587	149,509
Miscellaneous series :													
Producers' durable equipment	79,294	77,605	76,080	+2.2	+2.0	-6.6	79,066	68,138	75,255	74,124	+6.7	147,204	140,353
Household durable goods	6,752	6,755	6,643	0.0	+1.7	-6.3	6,763	5,709	6,100	6,276	+7.8	12,472	11,736
Information technology industries	14,959	15,228	14,382	-1.8	+5.9	-5.6	13,695	12,499	17,607	13,195	+3.8	26,194	25,008
Health care equipment and products	7,455	7,624	7,475	-2.2	+2.0	0.0	7,466	7,524	7,466	7,177	+4.0	14,990	14,086
NEW ORDERS													
All manufacturing industries	236,365	235,188	234,102	+0.5	+0.5	-3.7	234,570	215,622	229,451	234,071	+0.2	450,192	451,514
Market categories :													
Automotive equipment	8,788	8,125	7,993	+8.2	+1.7	-10.0	9,194	7,445	6,519	7,533	+22.0	16,639	14,30
Home goods and apparel	15,537	15,346	15,660	+1.2	-2.0	-2.8	16,123	13,957	13,064	14,481	+11.3	30,080	27,01
Consumer staples	55,292	54,791	55,380	+0.9	-1.1	-3.0	53,688	50,890	55,470	54,348	-1.2	104,578	106,32
Machinery and equipment	38,180	38,155	35,484	+0.1	+7.5	-15.7	37,244	33,058	38,417	38,561	-3.4	70,302	73,46
Business supplies	18,527	18,173	19,050	+1.9	-4.6	-1.9	18,176	17,177	18,456	19,279	-5.7	35,353	38,19
Construction materials and supplies	14,082	13,980	13,719	+0.7	+1.9	+0.4	13,435	12,159	12,395	12,255	+9.6	25,594	23,64
Defense products	6,448	7,976	9,963	-19.2	-19.9	+83.1	6,140	6,727	13,056	8,204	-25.2	12,867	14,71
Other materials, supplies and and intermediate products	79,511	78,642	76,853	+1.1	+2.3	-4.4	80,570	74,209	72,074	79,410	+1.5	154,779	153,84
Durable goods industries :													
Nondefense capital goods [3]	30,769	31,636	28,909	-2.7	+9.4	-17.1	29,536	26,956	33,056	32,596	-9.4	56,492	61,87
Excluding aircraft and parts	25,728	26,490	25,358	-2.9	+4.5	-1.0	24,776	23,132	28,028	24,707	+0.3	47,908	47,71
Defense capital goods [4]	6,347	7,811	9,758	-18.7	-20.0	+89.4	5,935	6,590	12,865	8,200	-27.6	12,525	14,61
Durables excluding capital goods	83,065	81,120	79,118	+2.4	+2.5	-5.8	84,525	75,327	71,560	78,362	+7.9	159,852	150,41
Miscellaneous series :													
Producers' durable equipment	77,171	77,058	73,282	+0.1	+5.2	-10.7	77,270	69,405	71,831	74,695	+3.4	146,675	144,55
Household durable goods	6,742	6,545	6,788	+3.0	-3.6	-5.1	7,000	6,243	5,986	6,424	+9.0	13,243	12,21
Information technology industries	14,573	14,976	14,013	-2.7	+6.9	-3.7	13,389	12,347	16,626	14,043	-4.7	25,736	25,75
Health care equipment and products	7,434	7,645	7,060	-2.8	+8.3	-3.3	7,444	7,544	7,050	7,059	+5.5	14,988	14,01

[p] Preliminary. [r] Ravised.

[1] Topical series are regroupings of the separate industry categories.

[2] Shipments and new orders are the totals for the period and are adjusted for trading-day and calendar-month variations.

[3] Nondefense capital goods industries include : ordnanca and accassories; staam, gas and hydraulic turbinas; internal combustion engines; construction, mining, and material handling equipment metalworking machinery; special industry machinery; general industrial machinery; computer and office equipment; refrigeration, heating and servica industry machinery; electrical transmission an distribution equipment; electrical industrial apparatus; communications equipment; aircraft, missiles, speca vehicles, and angines and parts; ships and tank components; railroad equipment; and searc and navigation equipment.

[4] Defense capital goods industries include : ordnanca and accessories; communications equipment; aircraft, missiles, spece vehicles, and engines and parts; ships, tanks and tank components; an search and navigation equipment.

Table 6. VALUE OF MANUFACTURERS' UNFILLED ORDERS AND TOTAL INVENTORIES FOR TOPICAL SERIES[1]
(Millions of dollars)

Industry	Seasonally adjusted						Not seasonally adjusted				
	Monthly			Percent Change			Monthly				Percent change
	Feb. 1992[p]	Jan. 1992[r]	Dec. 1991	Jan.-Feb.	Dec.-Jan.	Nov.-Dec.	Feb. 1992[p]	Jan. 1992[r]	Dec. 1991	Feb. 1991	Feb. 92/91
UNFILLED ORDERS											
l manufacturing industries	505,305	510,169	511,348	-1.0	-0.2	-0.4	506,698	509,953	507,927	529,714	-4.3
ket categories :											
utomotive equipment	2,094	2,076	2,060	+0.9	+0.8	-3.7	2,131	2,091	2,048	1,902	+12.0
ome goods and apparel	8,823	8,913	9,158	-1.0	-2.7	+2.3	8,609	8,229	7,613	7,700	+11.8
onsumer staples	1,307	1,315	1,271	-0.6	+3.5	-4.4	1,299	1,338	1,309	1,285	+1.1
achinery and equipment	216,501	218,007	218,526	-0.7	-0.2	-1.1	216,559	218,009	217,857	231,853	-6.6
usiness supplies	5,624	5,734	5,820	-1.9	-1.5	+1.4	5,582	5,679	5,720	6,003	-7.0
onstruction materials and supplies	13,101	13,248	13,079	-1.1	+1.3	0.0	13,075	13,157	12,976	12,376	+5.6
efense products	133,250	135,807	136,343	-1.9	-0.4	+0.9	134,687	137,119	137,308	143,318	-6.0
ther materials, supplies and and intermediate products	124,605	125,069	125,091	-0.4	0.0	-0.8	124,756	124,331	123,096	125,277	-0.4
able goods industries :											
ondefense capital goods [3]	240,028	241,782	242,055	-0.7	-0.1	-0.9	240,337	242,066	241,537	254,313	-5.5
Excluding aircraft and parts	79,890	80,018	79,612	-0.2	+0.5	-0.4	80,199	80,302	79,094	88,485	-9.4
efense capital goods [4]	141,801	144,405	144,988	-1.8	-0.4	+1.0	143,069	145,496	145,564	152,770	-6.4
urables excluding capital goods	101,780	102,133	102,325	-0.3	-0.2	-1.1	101,909	101,169	99,644	102,419	-0.5
ellaneous series :											
oducers' durable equipment	240,379	242,502	243,049	-0.9	-0.2	-1.1	240,448	242,244	240,977	259,638	-7.4
ousehold durable goods	5,275	5,285	5,495	-0.2	-3.8	+2.7	5,099	4,862	4,328	4,579	+11.4
formation technology industries	38,073	38,459	38,711	-1.0	-0.7	-0.9	37,849	38,155	38,307	43,026	-12.0
ealth care equipment and products	7,434	7,455	7,434	-0.3	+0.3	-5.3	7,432	7,454	7,434	8,024	-7.4
TOTAL INVENTORIES											
l manufacturing industries	372,823	373,992	375,701	-0.3	-0.5	-0.6	375,233	373,463	369,493	390,570	-3.9
ket categories :											
utomotive equipment	6,383	6,401	6,474	-0.3	-1.1	-0.3	6,680	6,539	6,383	6,940	-3.7
ome goods and apparel	27,341	27,193	26,684	+0.5	+1.9	+1.1	27,255	27,022	25,786	26,010	+4.8
onsumer staples	54,801	54,657	55,125	+0.3	-0.8	-0.2	55,186	55,092	55,212	54,858	+0.6
achinery and equipment	84,915	85,583	85,919	-0.8	-0.4	-0.2	85,421	84,931	83,496	88,386	-3.4
usiness supplies	21,183	21,299	21,419	-0.5	-0.6	0.0	21,207	20,932	20,772	22,505	-5.8
onstruction materials and supplies	22,716	22,652	22,723	+0.3	-0.3	-1.0	23,061	22,703	22,394	24,163	-4.6
efense products	31,984	32,362	32,805	-1.2	-1.4	-2.0	31,726	31,705	31,703	35,212	-9.9
ther materials, supplies and and intermediate products	123,500	123,845	124,552	-0.3	-0.6	-0.9	124,697	124,539	123,747	132,496	-5.9
able goods industries :											
ondefense capital goods [3]	80,604	81,309	81,644	-0.9	-0.4	-0.4	80,865	80,579	79,354	84,425	-4.2
Excluding aircraft and parts	52,686	53,036	53,417	-0.7	-0.7	-0.5	52,764	52,485	51,717	56,542	-6.7
efense capital goods [4]	34,020	34,339	34,886	-0.9	-1.6	-2.4	33,725	33,542	33,583	37,672	-10.5
urables excluding capital goods	123,039	123,243	123,762	-0.2	-0.4	-0.7	124,484	123,678	122,193	131,622	-5.4
ellaneous series :											
oducers' durable equipment	137,214	137,963	138,239	-0.5	-0.2	-0.4	138,354	137,626	134,989	144,059	-4.0
ousehold durable goods	12,497	12,520	12,391	-0.2	+1.0	+0.6	12,542	12,490	11,907	12,803	-2.0
formation technology industries	26,136	26,404	26,297	-1.0	+0.4	-0.1	26,028	26,009	25,582	27,881	-6.6
ealth care equipment and products	11,890	11,795	11,858	+0.8	-0.5	-0.7	11,838	11,627	11,581	11,265	+5.1

e footnotes at end of table 5.

Table 7. VALUE OF MANUFACTURERS' INVENTORIES, BY STAGE OF FABRICATION, BY INDUSTRY GROUP
(Millions of dollars)

Industry	Seasonally adjusted						Not seasonally adjusted				
	Monthly			Percent Change			Monthly				Percent change
	Feb. 1992[p]	Jan. 1992[r]	Dec. 1991	Jan.-Feb.	Dec.-Jan.	Nov.-Dec.	Feb. 1992[p]	Jan. 1992[r]	Dec. 1991	Feb. 1991	Feb. 92/91
MATERIALS AND SUPPLIES											
All manufacturing industries	114,857	115,259	115,760	-0.3	-0.4	-0.1	115,714	116,707	116,683	121,281	-4.6
Durable goods industries	65,478	65,830	66,067	-0.5	-0.4	-0.7	65,780	66,458	66,208	71,134	-7.5
Stone, clay, and glass products	2,438	2,459	2,467	-0.9	-0.3	-0.1	2,455	2,480	2,482	2,585	-5.0
Primary metals	6,515	6,584	6,737	-1.0	-2.3	-1.3	6,464	6,724	7,033	7,300	-11.5
Fabricated metal products	7,750	7,830	7,891	-1.0	-0.8	-2.0	7,793	7,924	7,878	8,626	-9.7
Industrial machinery and equipment	12,147	12,121	12,191	+0.2	-0.6	-0.3	12,172	12,267	12,018	13,232	-8.0
Electronic and other electrical equipment	8,558	8,611	8,612	-0.6	0.0	-0.2	8,579	8,584	8,555	9,323	-8.0
Transportation equipment	13,793	13,903	13,983	-0.8	-0.6	-2.8	13,913	13,992	13,962	15,351	-9.4
Instruments and related products	5,928	5,946	5,931	-0.3	+0.3	+2.3	5,975	5,937	5,788	5,759	+3.8
Lumber, furniture and miscellaneous durable goods	8,349	8,376	8,255	-0.3	+1.5	+1.2	8,429	8,550	8,492	8,958	-5.9
Nondurable goods industries	49,379	49,429	49,693	-0.1	-0.5	+0.7	49,934	50,249	50,475	50,147	-0.4
Food and kindred products	9,782	9,588	9,467	+2.0	+1.3	+1.8	9,918	9,883	9,794	9,452	+4.9
Tobacco products	4,599	4,521	4,532	+1.7	-0.2	+5.0	4,831	4,950	4,932	4,366	+10.7
Textile mill products	2,548	2,532	2,495	+0.6	+1.5	+1.5	2,578	2,545	2,432	2,512	+2.6
Paper and allied products	7,075	7,128	7,094	-0.7	+0.5	+0.9	7,124	7,252	7,178	7,225	-1.4
Chemicals and allied products	10,860	10,901	10,987	-0.4	-0.8	-0.1	10,963	10,917	10,975	11,072	-1.0
Petroleum and coal products	2,822	2,934	3,134	-3.8	-6.4	-6.2	2,812	2,853	3,227	3,339	-15.8
Rubber and plastics products	3,980	4,011	4,043	-0.8	-0.8	+0.4	3,987	4,058	4,173	4,295	-7.2
Apparel, printing and publishing and leather goods	7,713	7,814	7,941	-1.3	-1.6	+1.1	7,721	7,791	7,764	7,886	-2.1
WORK IN PROCESS											
All manufacturing industries	135,329	136,002	136,606	-0.5	-0.4	-0.9	135,195	134,108	132,569	141,381	-4.4
Durable goods industries	112,602	113,401	114,295	-0.7	-0.8	-0.9	112,533	111,640	110,800	119,062	-5.5
Stone, clay, and glass products	1,028	1,018	1,034	+1.0	-1.5	-2.4	1,068	1,011	988	1,093	-2.3
Primary metals	8,271	8,258	8,394	+0.2	-1.6	-1.4	8,247	8,196	8,284	9,231	-10.7
Fabricated metal products	7,733	7,872	7,631	-1.8	+3.2	-1.7	7,791	7,826	7,411	8,467	-8.0
Industrial machinery and equipment	20,123	20,535	20,832	-2.0	-1.4	-2.0	20,064	20,146	20,120	21,705	-7.6
Electronic and other electrical equipment	11,920	11,928	11,906	-0.1	+0.2	-0.3	11,891	11,699	11,458	11,950	-0.5
Transportation equipment	47,526	47,619	48,059	-0.2	-0.9	-0.6	47,466	46,827	46,598	49,072	-3.3
Instruments and related products	11,676	11,848	12,099	-1.5	-2.1	-0.6	11,603	11,604	11,661	13,115	-11.5
Lumber, furniture and miscellaneous durable goods	4,325	4,323	4,340	0.0	-0.4	-0.1	4,403	4,331	4,280	4,429	-0.6
Nondurable goods industries	22,727	22,601	22,311	+0.6	+1.3	-0.7	22,662	22,468	21,769	22,319	+1.5
Food and kindred products	3,440	3,462	3,454	-0.6	+0.2	-0.4	3,471	3,534	3,553	3,472	0.0
Tobacco products	169	172	115	-1.7	+49.6	-41.9	175	171	120	164	+6.7
Textile mill products	2,468	2,437	2,455	+1.3	-0.7	-0.4	2,482	2,420	2,371	2,485	-0.1
Paper and allied products	1,213	1,239	1,222	-2.1	+1.4	-1.9	1,200	1,231	1,206	1,378	-12.9
Chemicals and allied products	5,471	5,446	5,496	+0.5	-0.9	+1.7	5,446	5,438	5,309	5,205	+4.6
Petroleum and coal products	2,785	2,667	2,625	+4.4	+1.6	-3.5	2,708	2,628	2,562	2,591	+4.5
Rubber and plastics products	1,510	1,512	1,501	-0.1	+0.7	-3.3	1,526	1,550	1,488	1,595	-4.3
Apparel, printing and publishing and leather goods	5,671	5,666	5,443	+0.1	+4.1	+0.4	5,654	5,496	5,160	5,429	+4.1
FINISHED GOODS											
All manufacturing industries	122,637	122,731	123,335	-0.1	-0.5	-0.6	124,324	122,648	120,241	127,908	-2.8
Durable goods industries	59,583	59,660	59,930	-0.1	-0.5	-0.7	60,761	59,701	58,122	63,523	-4.3
Stone, clay, and glass products	4,471	4,434	4,467	+0.8	-0.7	+0.8	4,613	4,413	4,396	4,721	-2.3
Primary metals	6,075	6,144	6,228	-1.1	-1.3	-0.4	6,184	6,164	6,102	6,737	-8.2
Fabricated metal products	7,295	7,273	7,193	+0.3	+1.1	-0.1	7,394	7,259	7,029	7,767	-4.8
Industrial machinery and equipment	12,198	12,258	12,314	-0.5	-0.5	-1.8	12,612	12,344	11,979	13,738	-8.2
Electronic and other electrical equipment	8,127	8,088	7,986	+0.5	+1.3	-2.3	8,163	7,981	7,742	8,449	-3.4
Transportation equipment	8,840	8,887	9,096	-0.5	-2.3	-1.5	9,138	9,068	8,747	9,433	-3.1
Instruments and related products	5,219	5,219	5,303	0.0	-1.6	+0.7	5,213	5,091	5,069	5,121	+1.8
Lumber, furniture and miscellaneous durable goods	7,358	7,357	7,343	0.0	+0.2	+1.3	7,444	7,381	7,058	7,557	-1.5
Nondurable goods industries	63,054	63,071	63,405	0.0	-0.5	-0.5	63,563	62,947	62,119	64,385	-1.3
Food and kindred products	15,545	15,624	15,916	-0.5	-1.8	-1.1	15,605	15,731	16,018	15,413	+1.2
Tobacco products	1,206	1,240	1,218	-2.7	+1.8	+2.2	1,392	1,291	979	1,547	-10.0
Textile mill products	3,767	3,787	3,698	-0.5	+2.4	-0.1	3,820	3,731	3,467	3,924	-2.7
Paper and allied products	5,247	5,195	5,171	+1.0	+0.5	-0.2	5,378	5,260	5,041	5,215	+3.1
Chemicals and allied products	16,476	16,262	16,421	+1.3	-1.0	-0.5	16,797	16,400	16,403	16,844	-0.3
Petroleum and coal products	4,911	5,047	5,273	-2.7	-4.3	-3.0	4,933	4,999	5,156	5,893	-16.3
Rubber and plastics products	5,623	5,707	5,701	-1.5	+0.1	-0.4	5,755	5,729	5,552	6,183	-6.9
Apparel, printing and publishing and leather goods	10,279	10,209	10,007	+0.7	+2.0	+1.3	9,883	9,806	9,503	9,366	+5.5

[p] Prelimary. [r] Revised.

Table 8. RATIOS OF MANUFACTURES' INVENTORIES TO SHIPMENTS AND UNFILLED ORDERS TO SHIPMENTS, BY INDUSTRY GROUP
(Based on seasonally adjusted data)

Industry	Inventory / Shipments ratio				Unfilled Orders / Shipments ratio[1]			
	Feb. 1992[p]	Jan. 1992[r]	Dec. 1991	Nov. 1991	Feb. 1992[p]	Jan. 1992[r]	Dec. 1991	Nov. 1991
All manufacturing industries	1.55	1.58	1.59	1.54	3.80	3.91	3.94	3.80
rable goods industries	1.90	1.96	2.01	1.91	4.63	4.77	4.84	4.62
tone, clay, and glass products	1.65	1.68	1.73	1.68	1.44	1.48	1.50	1.47
rimary metals	1.92	1.96	2.05	2.01	1.86	1.89	2.00	1.99
abricated metal products	1.50	1.52	1.49	1.45	1.90	1.91	1.89	1.81
ndustrial machinery and equipment	2.15	2.15	2.22	2.17	2.72	2.71	2.74	2.65
lectronic and other electrical equipment	1.65	1.67	1.60	1.61	2.73	2.78	2.66	2.62
ransportation equipment	2.10	2.29	2.40	2.14	11.85	12.95	13.85	12.29
nstruments and related products	2.32	2.37	2.37	2.27	5.61	5.75	5.66	5.54
ndurable goods industries	1.16	1.18	1.17	1.14	0.77	0.78	0.77	0.76
ood and kindred products	0.87	0.88	0.87	0.85	(X)	(X)	(X)	(X)
obacco products	2.49	2.36	2.58	1.90	(X)	(X)	(X)	(X)
extile mill products	1.57	1.56	1.57	1.52	(NA)	(NA)	(NA)	(NA)
aper and allied products	1.33	1.34	1.33	1.32	(NA)	(NA)	(NA)	(NA)
hemicals and allied products	1.37	1.36	1.39	1.38	(X)	(X)	(X)	(X)
etroleum and coal products	0.82	0.88	0.86	0.84	(X)	(X)	(X)	(X)
ubber and plastics products	1.38	1.41	1.46	1.43	(X)	(X)	(X)	(X)

[p] Preliminary. [r] Revised. (X) Not applicable. (NA) Not available.

[1] Excludes the following industries with no unfilled orders : Wood and lumber products; glass containers; metal cans, barrels and drums; farm and garden machinery; motor vehicle assembly erations; other transportation equipment; foods and related products; tobacco; knitting mill products; apparel and related products; chemicals; petroleum and coal products; and rubber and plastics oducts.

Table 9. AVERAGE REVISIONS TO PREVIOUSLY PUBLISHED MONTHLY PERCENT CHANGES
(Based on seasonally adjusted data)

Industry	Shipments			New orders			Unfilled orders			Inventories		
	Feb. 1991	Feb.[1] 1987-1991	Feb. 1991-Jan. 1992	Feb. 1991	Feb.[1] 1987-1991	Feb. 1991-Jan. 1992	Feb. 1991	Feb.[1] 1987-1991	Feb. 1991-Jan. 1992	Feb. 1991	Feb.[1] 1987-1991	Feb. 1991-Jan. 1992
ll manufacturing industries	0.1	0.2	0.1	0.3	0.3	0.1	0.0	0.0	0.1	0.0	0.1	0.1
able goods industries	0.0	0.2	0.1	0.4	0.3	0.3	0.0	0.1	0.1	0.1	0.1	0.1
one, clay, and glass products	0.1	0.4	0.7	0.3	0.4	1.0	0.3	0.3	0.5	0.8	0.4	0.3
imary metals	0.0	0.1	0.3	0.2	0.5	0.5	0.0	0.1	0.2	0.0	0.2	0.1
bricated metal products	0.3	0.7	0.2	1.0	1.1	0.5	0.8	0.7	0.3	0.4	0.2	0.1
dustrial machinery and equipment	0.0	0.2	0.3	0.4	0.4	0.4	0.2	0.1	0.2	0.0	0.0	0.1
ectronic and other lectrical equipment	0.3	0.2	0.2	0.5	0.6	0.9	0.0	0.1	0.3	0.1	0.1	0.1
ansportation equipment	0.1	0.1	0.3	0.3	0.2	0.3	0.0	0.0	0.0	0.1	0.1	0.3
struments and related products	0.0	0.5	0.2	0.1	0.6	0.6	0.0	0.3	0.1	0.1	0.1	0.0
durable goods industries	0.1	0.3	0.1	0.2	0.3	0.2	0.4	0.5	0.3	0.0	0.0	0.1
od and kindred products	0.1	0.1	0.2	(X)	(X)	(X)	(X)	(X)	(X)	0.1	0.1	0.1
bacco products	0.1	0.8	0.2	(X)	(X)	(X)	(X)	(X)	(X)	0.0	0.1	0.0
xtile mill products	0.1	0.5	0.2	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	0.0	0.2	0.2
per and allied products	0.2	0.2	0.2	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	0.1	0.4	0.2
emicals and allied products	0.1	0.5	0.3	(X)	(X)	(X)	(X)	(X)	(X)	0.1	0.3	0.1
troleum and coal products	1.1	1.3	0.3	(X)	(X)	(X)	(X)	(X)	(X)	0.4	0.4	0.1
bber and plastics products	0.2	0.3	0.4	(X)	(X)	(X)	(X)	(X)	(X)	0.1	0.2	0.2
tal goods industries :												
ndefense	0.2	0.2	0.2	0.5	0.4	0.4	0.0	0.1	0.1	0.1	0.1	0.3
fense	0.1	0.2	0.5	0.1	0.8	1.1	0.0	0.0	0.0	0.0	0.0	0.0

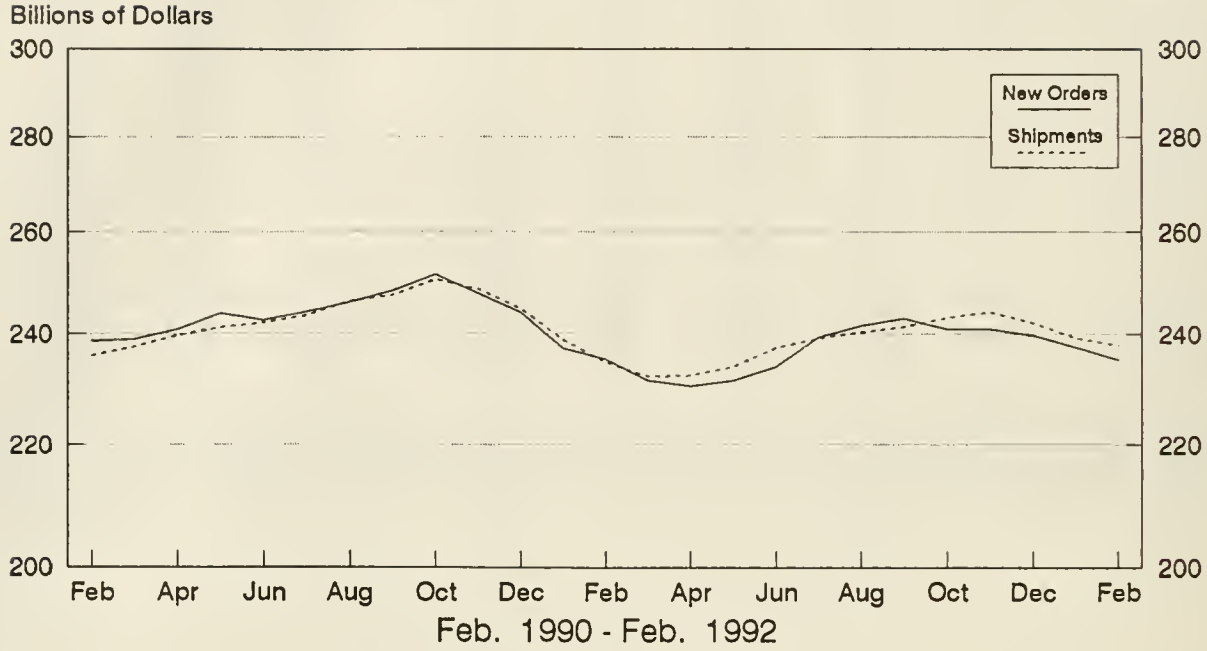
) Not applicable. (NA) Not available.

ota : The revisions are the differences between the month-to-month percent changes of the preliminary and final estimates. The monthly averages are the simple averages of the absolute values of the differences for the months specified. The advance to final percent change revisions for the durable goods industries are shown in the advance report for the month.

Average for this month for the last five years.

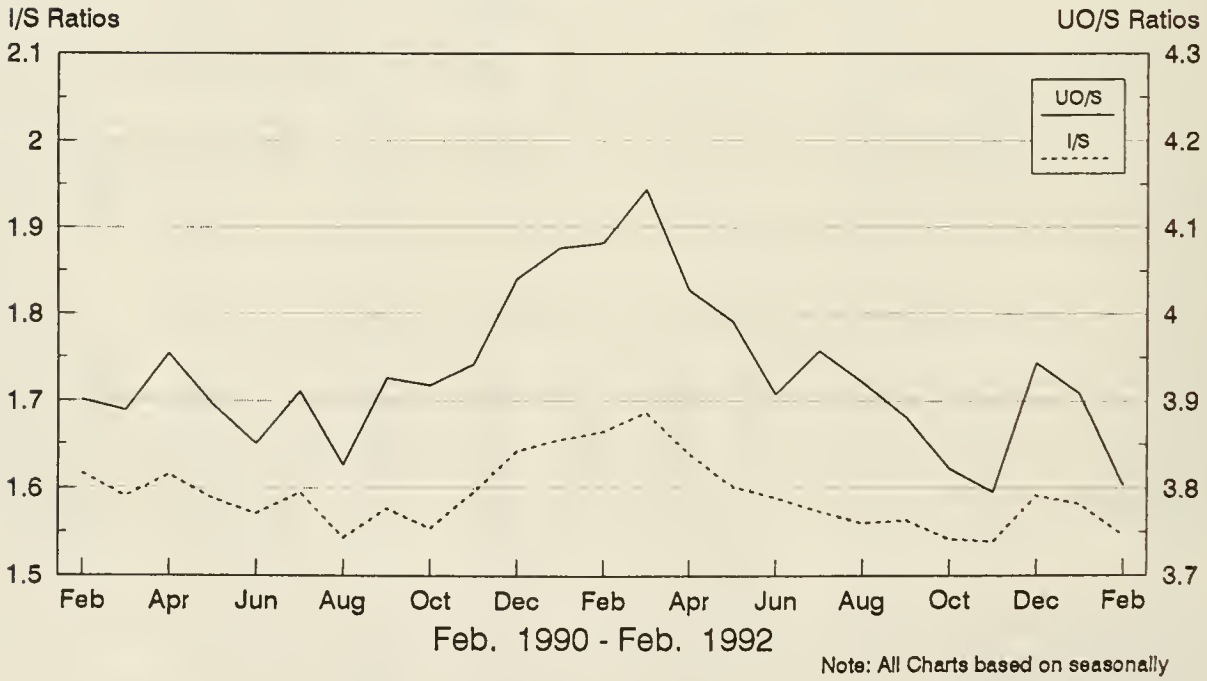
Total Manufacturing

New Orders and Shipments
Three Month Moving Averages



Total Manufacturing

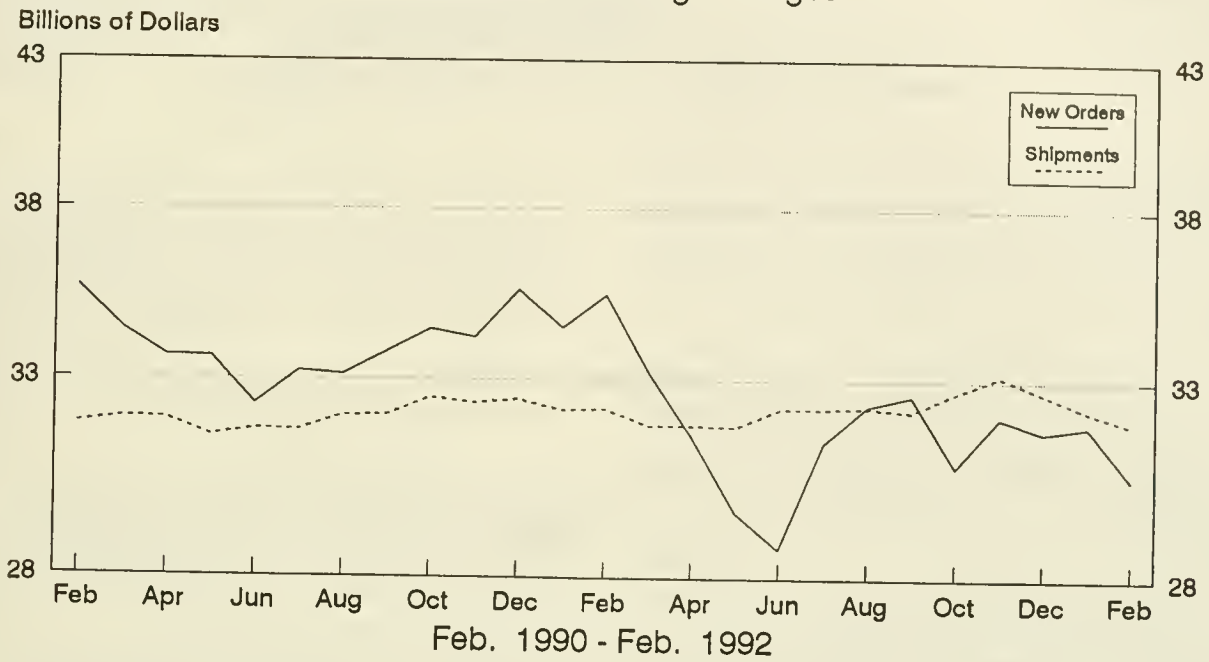
Ratio of Unfilled Orders and
Inventories to Shipments



Note: All Charts based on seasonally adjusted current dollars.

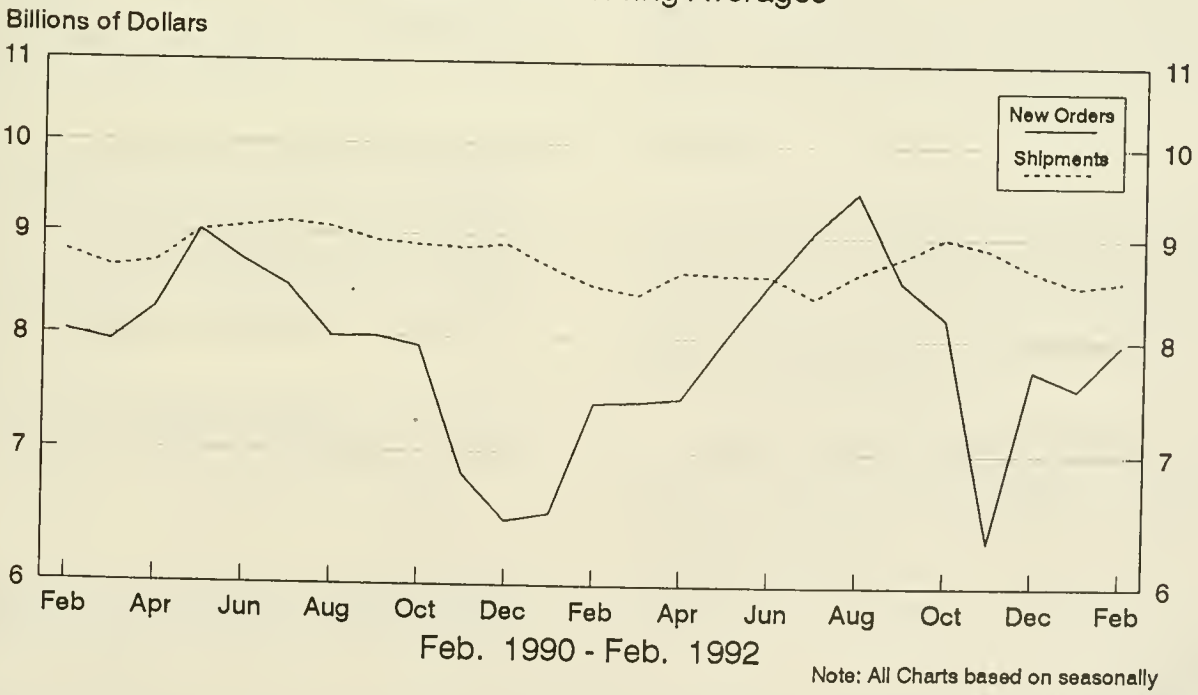
NonDefense Capital Goods

New Orders and Shipments
Three Month Moving Averages



Defense Capital Goods

New Orders and Shipments
Three Month Moving Averages



Note: All Charts based on seasonally adjusted current dollars.

U.S. Department of Commerce
BUREAU OF THE CENSUS
Washington, D.C. 20233

Official Business
Penalty for Private Use, $300

U.S.MAIL

POSTAGE AND FEES PA
U S DEPARTMENT OF COMMER
COM-20

First Class Mail

NOTICE

Revised historical data for Manufacturers' Shipments, Inventories, and Orders will be issued in mid-June. The primary purpose of the revision is to benchmark the data to the 1989 and 1990 Annual Survey of Manufactures. Less significant revisions will reflect the addition of data received too late to include in the monthly press releases, corrections for misclassified reports, and updating the trading day adjustment methodology. Revisions related to benchmarking affect all industry categories.

Any questions regarding this announcement can be answered by calling Steve Andrews on (301) 763-2502.

3. 158: M 3-1-(92)-03

SUPERINTENDENT OF DOCUMENTS
DEPOSITORY
JUN 19 1992
BOSTON PUBLIC LIBRARY
GOVERNMENT DOCUMENTS DEPARTMENT

Manufacturers' Shipments, Inventories, and Orders

J. S. Department of Commerce
UREAU OF THE CENSUS

March 1992
M3-1-(92)-03
For Release Transmissions 10:00 a.m. E.D.T. Thursday, April 30, 1992

(All figures in text are in seasonally adjusted current dollars)

Summary

New orders for manufactured goods in March ncreased $3.9 billion or 1.6 percent to $240.8 billion, the Department of Commerce, Bureau of the Census reported oday. The March increase follows increases of 0.7 percent n February and 0.5 percent in January. Both durables and ondurables increased in March.

Shipments were up $2.2 billion or 0.9 percent to $243.9 illion. This is the eleventh increase in the last twelve nonths. Both durables and nondurables increased.

Unfilled orders decreased $3.1 billion or 0.6 percent to 502.4 billion and are at the lowest level since $501.5 billion n August 1989. This is the seventh consecutive monthly ecline and the thirteenth in the last fifteen months. A ecline in durables more than offset a nondurables increase.

Inventories were unchanged at $372.8 billion, the lowest evel since $372.4 billion in February 1989. This follows eclines in eleven of the last twelve months. An increase in ondurables offset a decrease in durables. The inventories-o-shipments ratio in March decreased to 1.53 from 1.54 in ebruary.

lew Orders

New orders for durable goods in March increased a evised $2.5 billion or 2.1 percent to $123.4 billion. The Iarch increase follows a revised 0.2 percent increase in ebruary and a 2.4 percent increase in January. Excluding ansportation, new orders were up $0.6 percent.

Transportation equipment had the largest increase, up 1.9 billion or 6.4 percent to $32.0 billion, primarily due to rcraft and parts, and has increased for three consecutive onths. Industrial machinery and equipment increased $0.8 llion or 3.7 percent to $21.4 billion, with increases in nearly l categories. The largest decrease occurred in primary etals, down $0.6 billion or 5.7 percent to $10.3 billion. abricated metal products declined $0.3 billion or 2.1 ercent to $14.8 billion.

New orders for nondurable goods increased $1.4 billion 1.2 percent to $117.4 billion, following a 1.3 percent crease in February. The largest increases occurred in xtile mill products and petroleum and coal products.

ipments

Shipments of durable goods in March increased $1.2 llion or 0.9 percent to $126.5 billion, following increases of 1 percent in February and 1.5 percent in January. Like all manufactured goods, durable goods has increased in eleven of the last twelve months. Industrial machinery and equipment had the largest increase, up $0.8 billion or 4.0 percent to $21.7 billion, with increases in nearly all categories. Transportation equipment was down $0.2 billion or 0.5 percent to $33.5 billion, as a decrease in aircraft and parts more than offset increases in all other categories.

Shipments of nondurable goods increased $1.0 billion or 0.9 percent to $117.3 billion, following a 1.4 percent increase in February. Except for printing and publishing and leather and leather products, all major groups increased in March. The largest increase occurred in petroleum and coal products, up $0.5 billion or 3.6 percent to $13.2 billion.

Unfilled Orders

Unfilled orders for durable goods in March decreased $3.2 billion or 0.7 percent to $480.6 billion and are at the lowest level since $479.6 billion in August 1989. This is the seventh consecutive monthly decline. Transportation equipment was down $1.5 billion or 0.6 percent to $266.6 billion, and is at the lowest level since $262.1 billion in February 1990. Electronic and other electrical equipment was down $0.4 billion or 0.9 percent to $46.7 billion. Primary metals, down $0.4 billion or 2.0 percent to $19.9 billion, has declined in six of the last seven months. Industrial machinery and equipment, down $0.3 billion or 0.5 percent to $52.3 billion, has declined in five of the last six months and is at the lowest level since $51.9 billion in December 1987. Unfilled orders for nondurable goods increased $0.1 billion or 0.6 percent to $21.8 billion.

Inventories

Inventories for durable goods in March were down $0.6 billion or 0.3 percent to $236.9 billion and are at the lowest level since $235.1 billion in October 1988. This is the fourteenth decline in the last sixteen months. The largest decreases were in industrial machinery and equipment, down $0.4 billion, and instruments and related products, down $0.2 billion. Nondurable goods increased $0.7 billion or 0.5 percent to $135.9 billion.

By stage of fabrication, finished-goods inventories were up 0.4 percent in durables and 0.7 percent in nondurables. Work in process declined 0.4 percent in durables and increased 0.3 percent in nondurables. Materials and supplies decreased 0.6 percent in durables and increased 0.4 percent in nondurables.

(SEE BACK PAGE FOR UPCOMING REVISIONS)

e advance report on durable goods for April is scheduled for May 27, 1992 at 8:30 a.m. and the full report on June 3, 1992 at 10:00 a.m. Address inquiries ncerning these figures to U.S. Department of Commerce, Bureau of the Census, Industry Division, Washington, DC 20233 or call Steve Andrews or Kathleen enth, (301) 763-2502 or (301) 763-2575.For sale by the Superintendent of Documents, U.S. Government Printing Office, Washington, DC 20402. This report also available the day of issue through the Department of Commerce's online Economic Bulletin Board (N-8-1) (202-377-3870) and through the Census ureau's online information service-CENDATA. CENDATA is available from Dialog Information Services, INC. (1-800-334-2464) and CompuServe (1-800-848-99). The CENDATA staff at the Bureau of the Census (301-763-2074) can provide content information and general guidance.

Table 1. VALUE OF MANUFACTURERS' SHIPMENTS FOR INDUSTRY GROUPS
(Millions of dollars)

Industry	Seasonally adjusted						Not seasonally adjusted[1]						
	Monthly			Percent Change			Monthly				Percent change	Year to date	
	Mar. 1992[P]	Feb. 1992[r]	Jan. 1992	Feb.-Mar.	Jan.-Feb.	Dec.-Jan.	Mar. 1992[P]	Feb. 1992[r]	Jan. 1992	Mar. 1991	Mar. 92/91	1992[P]	199
All manufacturing industries	243,852	241,683	236,367	+0.9	+2.2	+0.2	254,342	237,884	213,596	238,810	+6.5	705,822	684,68
Manufacturing industries with unfilled orders	134,037	133,077	130,522	+0.7	+2.0	+0.7	141,654	130,788	115,917	133,761	+5.9	388,359	377,63
Durable goods industries	126,534	125,378	121,615	+0.9	+3.1	+1.5	134,844	123,565	106,887	122,049	+10.5	365,296	343,58
With unfilled orders	105,848	104,857	102,474	+0.9	+2.3	+1.4	113,013	102,753	89,762	104,992	+7.6	305,528	293,56
Stone, clay, and glass products	4,858	4,816	4,697	+0.9	+2.5	+1.9	4,871	4,489	4,061	4,402	+10.7	13,421	12,72
Primary metals	10,734	10,890	10,688	-1.4	+1.9	+2.7	11,078	10,908	10,143	10,650	+4.0	32,129	31,99
Blast furnaces, steel mills	4,421	4,503	4,456	-1.8	+1.1	+3.7	4,593	4,476	4,330	4,110	+11.8	13,399	12,90
Iron and steel foundries	927	936	910	-1.0	+2.9	+15.0	932	922	810	850	+9.6	2,664	2,47
Nonferrous and other primary metals	5,386	5,451	5,322	-1.2	+2.4	-0.1	5,553	5,510	5,003	5,690	-2.4	16,066	16,61
Fabricated metal products	15,084	15,228	15,145	-0.9	+0.5	-0.5	16,000	15,253	13,449	15,443	+3.6	44,702	43,6
Industrial machinery and equipment	21,680	20,838	20,888	+4.0	-0.2	+2.3	24,522	20,060	17,544	23,286	+5.3	62,126	61,4
Engines and turbines	1,533	1,457	1,421	+5.2	+2.5	-4.4	1,749	1,380	1,143	1,564	+11.8	4,272	3,8
Farm and garden machinery	1,358	1,340	1,427	+1.3	-6.1	+22.1	1,655	1,441	1,281	1,537	+7.7	4,377	4,1
Construction, mining and material handling equipment	2,348	2,403	2,314	-2.3	+3.8	-5.7	2,580	2,459	2,083	2,889	-10.7	7,122	8,3
Metalworking machinery	2,004	1,802	1,718	+11.2	+4.9	-7.4	2,261	1,810	1,399	1,889	+19.7	5,470	5,0
Computer and office equipment	6,454	6,342	6,496	+1.8	-2.4	+11.4	7,751	5,439	4,837	6,992	+10.9	18,027	16,3
Electronic and other electrical equipment	17,725	17,340	17,094	+2.2	+1.4	-3.8	18,666	17,026	15,213	17,443	+7.0	50,905	48,6
Electrical transmission and distribution equipment and industrial apparatus	2,323	2,249	2,271	+3.3	-1.0	-4.9	2,558	2,316	2,023	2,524	+1.3	6,897	6,8
Household appliances	1,542	1,529	1,407	+0.9	+8.7	-11.2	1,670	1,481	1,256	1,568	+6.5	4,407	4,3
Electric lighting and wiring equipment	1,383	1,336	1,302	+3.5	+2.6	-1.2	1,434	1,365	1,141	1,326	+8.1	3,940	3,7
Household audio and video equipment	1,025	1,030	953	-0.5	+8.1	+4.5	994	925	784	791	+25.7	2,703	2,1
Communications equipment	4,454	4,320	4,404	+3.1	-1.9	+1.6	4,747	4,110	3,780	4,229	+12.2	12,637	11,6
Electronic components	5,354	5,389	5,368	-0.6	+0.4	-1.6	5,622	5,467	5,001	5,406	+4.0	16,090	15,3
Transportation equipment	33,453	33,617	30,788	-0.5	+9.2	+3.8	35,856	33,809	26,763	29,230	+22.7	96,428	83,8
Motor vehicles and parts	20,106	19,928	18,360	+0.9	+8.5	+3.0	21,555	20,796	17,016	15,952	+35.1	59,367	48,4
Aircraft, missiles, space vehicles, and parts	11,235	11,774	10,697	-4.6	+10.1	+6.1	12,072	11,143	8,256	11,176	+8.0	31,471	29,9
Shipbuilding and tanks	1,077	1,019	901	+5.7	+13.1	+12.6	1,098	992	729	996	+10.2	2,819	2,8
Instruments and related products	9,896	9,867	9,705	+0.3	+1.7	-1.4	10,544	9,472	8,607	10,182	+3.6	28,623	28,3
Search and navigation equipment	2,767	2,874	2,743	-3.7	+4.8	+4.7	2,990	2,634	2,180	3,212	-6.9	7,804	8,0
Measuring and controlling devices	2,434	2,359	2,369	+3.2	-0.4	-0.6	2,609	2,284	2,250	2,400	+8.7	7,143	6,8
Medical instruments and supplies	2,572	2,518	2,526	+2.1	-0.3	-1.8	2,729	2,545	2,396	2,448	+11.5	7,670	7,3
Photographic goods	1,814	1,823	1,763	-0.5	+3.4	-8.7	1,879	1,711	1,520	1,826	+2.9	5,110	5,4
All other durable goods	13,104	12,782	12,610	+2.5	+1.4	+6.1	13,307	12,548	11,107	11,413	+16.6	36,962	32,9
Nondurable goods industries	117,318	116,305	114,752	+0.9	+1.4	-1.2	119,498	114,319	106,709	116,761	+2.3	340,526	341,0
With unfilled orders	28,189	28,220	28,048	-0.1	+0.6	-2.0	28,641	28,035	26,155	28,769	-0.4	82,831	84,0
Food and kindred products	33,293	33,172	32,502	+0.4	+2.1	-2.2	34,148	32,738	30,025	33,904	+0.7	96,911	96,
Meat products	7,653	7,705	7,713	-0.7	-0.1	+3.4	7,730	7,526	7,151	8,229	-6.1	22,407	23,
Dairy products	4,706	4,599	4,476	+2.3	+2.7	-3.3	4,762	4,488	4,203	4,460	+6.8	13,453	12,
Beverages	4,865	4,672	4,446	+4.1	+5.1	-5.2	4,841	4,216	3,870	4,402	+10.0	12,927	12,
All other foods, except fats and oils	14,620	14,643	14,261	-0.2	+2.7	-4.1	15,366	14,955	13,195	15,365	0.0	43,516	43,
Tobacco products	2,516	2,410	2,513	+4.4	-4.1	+10.5	3,029	1,868	1,599	2,944	+2.9	6,496	6,
Textile mill products	5,695	5,627	5,605	+1.2	+0.4	+1.7	5,925	5,485	4,857	5,189	+14.2	16,267	14,
Broadwoven fabrics and other textiles	3,470	3,427	3,401	+1.3	+0.8	+1.8	3,623	3,368	2,990	3,143	+15.3	9,981	8,
Paper and allied products	10,259	10,206	10,088	+0.5	+1.2	-0.8	10,499	10,286	9,808	10,253	+2.4	30,593	30,
Pulp, paper, and paperboard mill products	4,356	4,285	4,187	+1.7	+2.3	-0.9	4,465	4,373	4,108	4,456	+0.2	12,946	13,
Paperboard containers and boxes	2,348	2,357	2,340	-0.4	+0.7	+0.3	2,397	2,350	2,260	2,183	+9.8	7,007	6,
Miscellaneous converted paper products	3,555	3,564	3,561	-0.3	+0.1	-1.4	3,637	3,563	3,440	3,614	+0.6	10,640	10,
Chemicals and allied products	24,082	23,980	23,966	+0.4	+0.1	+1.0	25,352	24,122	23,347	24,200	+4.8	72,821	72,
Industrial chemicals	12,220	12,233	12,110	-0.1	+1.0	+0.1	12,868	12,572	11,614	12,938	-0.5	37,054	39,
Drugs, soaps, and toiletries	9,046	9,005	9,420	+0.5	-4.4	+4.0	9,354	8,966	9,485	8,354	+12.0	27,805	25,
Petroleum and coal products	13,237	12,772	12,038	+3.6	+6.1	-6.7	12,171	11,737	11,546	12,838	-5.2	35,454	41,
Rubber and plastics products	8,119	8,046	7,975	+0.9	+0.9	+3.3	8,349	8,031	7,378	7,497	+11.4	23,758	21,
All other nondurable goods	20,117	20,092	20,065	+0.1	+0.1	-3.0	20,025	20,052	18,149	19,936	+0.4	58,226	58,

[P] Preliminary. [r] Revised.

[1] Shipments and new orders are the totals for the period and are adjusted for trading-day and calendar-month variations.

Table 2. VALUE OF MANUFACTURERS' NEW ORDERS FOR INDUSTRY GROUPS
(Millions of dollars)

Industry	Seasonally adjusted						Not seasonally adjusted[1]						
	Monthly			Percent Change			Monthly				Percent change	Year to date	
	Mar. 1992[p]	Feb. 1992[r]	Jan. 1992	Feb.-Mar	Jan.-Feb.	Dec.-Jan.	Mar. 1992[p]	Feb. 1992[r]	Jan. 1992	Mar. 1991	Mar. 92/91	1992[p]	1991
All manufacturing industries	240,796	236,942	235,188	+1.6	+0.7	+0.5	252,923	234,914	215,622	238,355	+6.1	703,459	689,869
Manufacturing industries with unfilled orders	130,981	128,336	129,343	+2.1	-0.8	+1.2	140,235	127,818	117,943	133,306	+5.2	385,996	382,826
Durable goods industries	123,350	120,862	120,567	+2.1	+0.2	+2.4	132,758	120,448	108,873	120,990	+9.7	362,079	347,897
With unfilled orders	102,664	100,341	101,426	+2.3	-1.1	+2.4	110,927	99,636	91,748	103,933	+6.7	302,311	297,875
Stone, clay, and glass products	4,898	4,760	4,722	+2.9	+0.8	+2.5	4,923	4,594	4,040	4,569	+7.7	13,557	13,059
Primary metals	10,328	10,955	10,099	-5.7	+8.5	+2.3	11,141	11,250	10,013	10,591	+5.2	32,404	30,882
Blast furnaces, steel mills	4,382	4,408	3,915	-0.6	+12.6	+7.7	4,552	4,497	4,185	3,808	+19.5	13,234	12,008
Iron and steel foundries	837	794	888	+5.4	-10.6	-2.0	887	783	854	826	+7.4	2,524	2,422
Nonferrous and other primary metals	5,109	5,753	5,296	-11.2	+8.6	-0.6	5,702	5,970	4,974	5,957	-4.3	16,646	16,452
Fabricated metal products	14,814	15,134	15,447	-2.1	-2.0	+2.1	15,807	15,162	14,014	15,416	+2.5	44,983	43,784
Industrial machinery and equipment	21,404	20,648	21,002	+3.7	-1.7	+5.8	23,698	19,932	18,443	21,992	+7.8	62,073	60,512
Engines and turbines	1,571	1,375	1,482	+14.3	-7.2	+17.0	1,547	1,187	1,203	1,397	+10.7	3,937	3,877
Construction, mining and material handling equipment	2,372	2,474	2,353	-4.1	+5.1	-7.7	2,561	2,501	2,261	2,626	-2.5	7,323	7,962
Metalworking machinery	2,010	1,853	1,958	+8.5	-5.4	-10.6	2,267	1,861	1,639	1,987	+14.1	5,767	4,951
Computer and office equipment	6,282	6,086	6,148	+3.2	-1.0	+18.7	7,548	5,289	4,583	6,929	+8.9	17,420	16,713
Electronic and other electrical equipment	17,277	16,996	17,354	+1.7	-2.1	-5.1	18,149	17,326	15,908	16,621	+9.2	51,383	49,739
Electrical transmission and distribution equipment and industrial apparatus	2,208	2,119	2,457	+4.2	-13.8	+4.4	2,397	2,232	2,296	2,420	-1.0	6,925	7,109
Electric lighting and wiring equipment	1,308	1,335	1,308	-2.0	+2.1	-5.8	1,359	1,364	1,147	1,266	+7.3	3,870	3,891
Communications equipment	4,711	4,113	4,297	+14.5	-4.3	-11.1	4,958	3,945	3,777	3,631	+36.5	12,680	11,021
Electronic components	4,784	5,418	5,573	-11.7	-2.8	-0.7	5,069	5,869	5,355	5,389	-5.9	16,293	16,158
Transportation equipment	31,953	30,039	29,577	+6.4	+1.6	+1.9	35,433	30,331	25,897	31,157	+13.7	91,661	89,466
Aircraft, missiles, space vehicles, and parts	10,574	8,322	9,661	+27.1	-13.9	-3.5	12,496	7,755	7,437	13,651	-8.5	27,688	35,797
Shipbuilding and tanks	394	521	647	-24.4	-19.5	-15.3	419	480	464	822	-49.0	1,363	2,807
Instruments and related products	9,802	9,586	9,847	+2.3	-2.7	+11.6	10,121	9,165	8,956	9,045	+11.9	28,242	27,175
Search and navigation equipment	2,968	2,779	2,930	+6.8	-5.2	+32.6	2,835	2,523	2,561	2,009	+41.1	7,919	6,797
Measuring and controlling devices	2,355	2,215	2,380	+6.3	-6.9	+0.1	2,530	2,140	2,261	2,530	0.0	6,931	7,050
Medical instruments and supplies	2,346	2,505	2,546	-6.3	-1.6	+18.1	2,503	2,532	2,416	2,400	+4.3	7,451	7,214
All other durable goods	12,874	12,744	12,519	+1.0	+1.8	+2.5	13,486	12,688	11,602	11,599	+16.3	37,776	33,280
Nondurable goods industries	117,446	116,080	114,621	+1.2	+1.3	-1.5	120,165	114,466	106,749	117,365	+2.4	341,380	341,972
With unfilled orders	28,317	27,995	27,917	+1.2	+0.3	-2.9	29,308	28,182	26,195	29,373	-0.2	83,685	84,951

[p] Preliminary. [r] Revised.

[1] Shipments and new orders are the totals for the period and are adjusted for trading-day and calendar-month varietions.

(n) When new orders for a prior month are negative bacause of cancellations, the parcentage changa calculation is algebraically negative, even though there is a net doller increase from the prior month to the current month.

Table 3. VALUE OF MANUFACTURERS' UNFILLED ORDERS FOR INDUSTRY GROUPS
(Millions of dollars)

Industry	Seasonally adjusted						Not seasonally adjusted				
	Monthly			Percent Change			Monthly				Percent change
	Mar. 1992[p]	Feb. 1992[r]	Jan. 1992	Feb.-Mar.	Jan.-Feb.	Dec.-Jan.	Mar. 1992[p]	Feb. 1992[r]	Jan. 1992	Mar. 1991	Mar. 92/91
All manufacturing industries	502,372	505,428	510,169	-0.6	-0.9	-0.2	505,564	506,983	509,953	529,259	-4.5
Durable goods industries	480,620	483,804	488,320	-0.7	-0.9	-0.2	483,528	485,614	488,731	508,443	-4.9
Stone, clay, and glass products	6,290	6,250	6,306	+0.6	-0.9	+0.4	6,290	6,238	6,133	5,418	+16.1
Primary metals	19,863	20,269	20,204	-2.0	+0.3	-2.8	20,640	20,577	20,235	21,246	-2.9
Blast furnaces, steel mills	6,988	7,027	7,122	-0.6	-1.3	-7.1	7,288	7,329	7,308	7,364	-1.0
Iron and steel foundries	2,554	2,644	2,786	-3.4	-5.1	-0.8	2,597	2,642	2,781	2,963	-12.4
Nonferrous and other primary metals	10,321	10,598	10,296	-2.6	+2.9	-0.3	10,755	10,606	10,146	10,919	-1.5
Fabricated metal products	26,225	26,495	26,589	-1.0	-0.4	+1.1	26,349	26,542	26,633	27,432	-3.9
Industrial machinery and equipment	52,343	52,619	52,809	-0.5	-0.4	+0.2	52,238	53,062	53,190	56,013	-6.7
Engines and turbines	8,606	8,568	8,650	+0.4	-0.9	+0.7	8,469	8,671	8,864	7,896	+7.3
Construction, mining and material handling equipment	6,778	6,754	6,683	+0.4	+1.1	+0.6	6,846	6,865	6,823	7,680	-10.9
Metalworking machinery	7,465	7,459	7,408	+0.1	+0.7	+3.3	7,465	7,459	7,408	6,945	+7.5
Computer and office equipment	9,921	10,093	10,349	-1.7	-2.5	-3.3	9,703	9,906	10,056	12,072	-19.6
Electronic and other electrical equipment	46,748	47,196	47,540	-0.9	-0.7	+0.5	47,028	47,545	47,245	49,722	-5.4
Electrical transmission and distribution equipment and industrial apparatus	6,400	6,515	6,645	-1.8	-2.0	+2.9	6,429	6,590	6,674	6,812	-5.6
Electric lighting and wiring equipment	2,313	2,388	2,389	-3.1	0.0	+0.3	2,313	2,388	2,389	2,181	+6.1
Communications equipment	19,726	19,469	19,676	+1.3	-1.1	-0.5	19,775	19,564	19,729	21,741	-9.0
Electronic components	14,103	14,673	14,644	-3.9	+0.2	+1.4	14,216	14,769	14,367	14,505	-2.0
Transportation equipment	266,583	268,083	271,661	-0.6	-1.3	-0.4	268,271	268,694	272,172	283,149	-5.3
Aircraft, missiles, space vehicles, and parts	233,530	234,191	237,643	-0.3	-1.5	-0.4	235,170	234,746	238,134	247,473	-5.0
Shipbuilding and tanks	23,767	24,450	24,948	-2.8	-2.0	-1.0	23,616	24,295	24,807	26,766	-11.8
Instruments and related products	55,451	55,545	55,826	-0.2	-0.5	+0.3	55,619	56,042	56,349	58,862	-5.5
Search and navigation equipment	39,734	39,533	39,628	+0.5	-0.2	+0.5	39,909	40,064	40,175	41,562	-4.0
Measuring and controlling devices	7,855	7,934	8,078	-1.0	-1.8	+0.1	7,855	7,934	8,078	8,369	-6.1
Medical instruments and supplies	7,188	7,414	7,427	-3.0	-0.2	+0.3	7,188	7,414	7,427	7,949	-9.0
All other durable goods	7,117	7,347	7,385	-3.1	-0.5	-1.2	7,093	6,914	6,774	6,601	+7.2
Nondurable goods industries	21,752	21,624	21,849	+0.6	-1.0	-0.6	22,036	21,369	21,222	20,816	+5.

[p] Preliminary [r] Revised.

Table 4. VALUE OF MANUFACTURERS' INVENTORIES FOR INDUSTRY GROUPS
(Millions of dollars)

Industry	Seasonally adjusted						Not seasonally adjusted				
	Monthly			Percent Change			Monthly				Percent change
	Mar. 1992[p]	Feb. 1992[r]	Jan. 1992	Feb.-Mar.	Jan.-Feb.	Dec.-Jan.	Mar. 1992[p]	Feb. 1992[r]	Jan. 1992	Mar. 1991	Mar. 92/91
All manufacturing industries	372,850	372,801	373,992	0.0	-0.3	-0.5	373,323	375,181	373,463	386,434	-3.4
anufacturing industries with nfilled orders	251,920	252,695	254,171	-0.3	-0.6	-0.5	252,120	253,386	252,321	266,029	-5.2
urable goods industries	236,914	237,534	238,891	-0.3	-0.6	-0.6	237,350	238,945	237,799	251,017	-5.4
With unfilled orders	218,778	219,510	220,746	-0.3	-0.6	-0.6	218,838	220,190	219,210	231,769	-5.6
one, clay, and glass products	7,866	7,924	7,911	-0.7	+0.2	-0.7	8,009	8,130	7,904	8,275	-3.2
imary metals	21,009	20,872	20,986	+0.7	-0.5	-1.7	20,875	20,896	21,084	23,141	-9.8
Blast furnaces, steel mills	10,332	10,334	10,303	0.0	+0.3	-1.7	10,146	10,280	10,432	11,198	-9.4
Iron and steel foundries	1,382	1,380	1,341	+0.1	+2.9	-5.6	1,434	1,410	1,359	1,463	-2.0
Nonferrous and other primary metals	9,295	9,158	9,342	+1.5	-2.0	-1.3	9,295	9,206	9,293	10,480	-11.3
bricated metal products	22,759	22,815	22,975	-0.2	-0.7	+1.1	23,045	22,973	23,009	24,547	-6.1
dustrial machinery and equipment	44,096	44,461	44,914	-0.8	-1.0	-0.9	44,026	44,850	44,757	47,906	-8.1
Engines and turbines	3,717	3,813	3,808	-2.5	+0.1	-0.7	3,611	3,680	3,548	3,697	-2.3
Farm and garden machinery	2,165	2,220	2,262	-2.5	-1.9	-0.7	2,280	2,353	2,332	2,622	-13.0
Construction, mining and material handling equipment	6,101	6,095	6,194	+0.1	-1.6	-2.6	6,162	6,218	6,242	6,924	-11.0
Metalworking machinery	4,882	4,854	4,885	+0.6	-0.6	+0.1	4,848	4,843	4,836	4,987	-2.8
Computer and office equipment	9,869	9,888	10,100	-0.2	-2.1	+1.5	9,622	9,910	9,982	10,613	-9.3
ectronic and other lectrical equipment	28,586	28,617	28,627	-0.1	0.0	+0.4	28,592	28,637	28,264	29,746	-3.9
Electrical transmission and distribution equipment and industrial apparatus	4,096	4,119	4,097	-0.6	+0.5	+1.5	4,109	4,141	4,084	4,389	-6.4
Household appliances	2,336	2,340	2,316	-0.2	+1.0	+3.0	2,401	2,408	2,279	2,445	-1.8
Electric lighting and wiring equipment	3,157	3,142	3,135	+0.5	+0.2	-1.6	3,157	3,104	3,048	3,365	-6.2
Household audio and video equipment	1,231	1,204	1,201	+2.2	+0.2	+2.6	1,187	1,184	1,166	1,002	+18.5
Communications equipment	5,605	5,624	5,749	-0.3	-2.2	+2.3	5,541	5,602	5,668	5,728	-3.3
Electronic components	8,612	8,647	8,574	-0.4	+0.9	-1.2	8,595	8,596	8,487	9,111	-5.7
ansportation equipment	69,809	69,956	70,409	-0.2	-0.6	-1.0	69,901	70,352	69,887	73,253	-4.6
Motor vehicles and parts	12,369	12,297	12,423	+0.6	-1.0	-2.8	12,506	12,753	12,799	12,971	-3.6
Aircraft, missiles, space vehicles, and parts	53,253	53,310	53,670	-0.1	-0.7	-0.9	53,282	53,271	52,849	56,294	-5.4
Shipbuilding and tanks	2,108	2,282	2,257	-7.6	+1.1	+0.4	2,034	2,196	2,166	1,965	+3.5
truments and related products	22,656	22,825	23,013	-0.7	-0.8	-1.4	22,666	22,805	22,632	23,677	-4.3
Search and navigation equipment	7,921	7,940	8,161	-0.2	-2.7	-4.0	7,885	7,957	7,970	8,754	-9.9
Measuring and controlling devices	5,927	6,062	6,010	-2.2	+0.9	+0.1	5,927	6,033	5,960	6,243	-5.1
Medical instruments and supplies	5,441	5,525	5,548	-1.5	-0.4	-0.5	5,512	5,563	5,494	5,325	+3.5
Photographic goods	2,780	2,717	2,717	+2.3	0.0	+1.2	2,749	2,675	2,645	2,725	+0.9
other durable goods	20,133	20,064	20,056	+0.3	0.0	+0.6	20,236	20,302	20,262	20,472	-1.2
ndurable goods industries	135,936	135,267	135,101	+0.5	+0.1	-0.2	135,973	136,236	135,664	135,417	+0.4
With unfilled orders	33,142	33,185	33,425	-0.1	-0.7	+0.4	33,282	33,196	33,111	34,260	-2.9
od and kindred products	29,041	28,795	28,674	+0.9	+0.4	-0.6	28,491	28,995	29,148	27,593	+3.3
Meat products	2,888	2,874	2,871	+0.5	+0.1	-1.8	2,931	2,929	2,847	3,034	-3.4
Dairy products	2,587	2,537	2,486	+2.0	+2.1	-0.2	2,587	2,521	2,449	2,473	+4.6
Beverages	4,894	4,808	4,927	+1.8	-2.4	-1.1	4,967	4,905	4,927	4,755	+4.5
All other foods, except fats and oils	17,171	17,108	16,929	+0.4	+1.1	0.0	16,433	17,088	17,362	15,770	+4.2
bacco products	5,947	5,972	5,933	-0.4	+0.7	+1.2	6,036	6,398	6,412	5,766	+4.7
xtile mill products	8,819	8,801	8,756	+0.2	+0.5	+1.2	8,865	8,893	8,696	8,724	+1.6
Broadwoven fabrics and other textiles	5,029	5,030	5,040	0.0	-0.2	+1.3	5,059	5,104	5,048	5,153	-1.8
ber and allied products	13,598	13,562	13,562	+0.3	0.0	+0.6	13,764	13,740	13,743	13,838	-0.5
Pulp, paper, and paperboard mill products	5,864	5,852	5,827	+0.2	+0.4	+1.4	5,958	5,993	5,969	5,688	+4.7
Paperboard containers and boxes	3,181	3,199	3,234	-0.6	-1.1	-0.1	3,203	3,189	3,291	3,313	-3.3
Miscellaneous converted paper products	4,553	4,511	4,501	+0.9	+0.2	-0.1	4,603	4,558	4,483	4,837	-4.8
emicals and allied products	32,825	32,861	32,609	-0.1	+0.8	-0.9	33,228	33,276	32,755	33,189	+0.1
ndustrial chemicals	16,367	16,413	16,409	-0.3	0.0	-0.8	16,563	16,649	16,630	17,068	-3.0
Drugs, soaps, and toiletries	11,870	11,747	11,475	+1.0	+2.4	-0.6	11,716	11,586	11,259	10,973	+6.8
roleum and coal products	10,873	10,540	10,648	+3.2	-1.0	-3.5	10,746	10,456	10,480	11,470	-6.3
bber and plastics products	10,995	11,092	11,230	-0.9	-1.2	-0.1	11,161	11,260	11,337	11,974	-6.8
other nondurable goods	23,838	23,644	23,689	+0.8	-0.2	+1.3	23,682	23,218	23,093	22,863	+3.6

Preliminary. [r] Revised.

Table 5. VALUE OF MANUFACTURERS' SHIPMENTS AND NEW ORDERS FOR TOPICAL SERIES[1]
(Millions of dollars)

Industry	Seasonally adjusted						Not seasonally adjusted [2]						
	Monthly			Percent Change			Monthly				Percent change	Year to date	
	Mar. 1992[p]	Feb. 1992[r]	Jan. 1992	Feb.-Mar.	Jan.-Feb.	Dec.-Jan.	Mar. 1992[p]	Feb. 1992[r]	Jan. 1992	Mar. 1991	Mar. 92/91	1992[p]	1991
SHIPMENTS													
All manufacturing industries	243,852	241,683	236,367	+0.9	+2.2	+0.2	254,342	237,884	213,596	238,810	+6.5	705,822	684,682
Market categories :													
Automotive equipment	8,885	8,837	8,108	+0.5	+9.0	+0.4	9,557	9,157	7,403	7,150	+33.7	26,117	21,388
Home goods and apparel	16,004	15,695	15,591	+2.0	+0.7	+0.9	16,487	15,785	13,341	14,394	+14.5	45,613	40,700
Consumer staples	55,756	55,199	54,748	+1.0	+0.8	-1.2	56,767	53,602	50,862	56,224	+1.0	161,231	162,584
Machinery and equipment	40,858	39,930	38,674	+2.3	+3.2	+2.2	44,820	38,793	32,906	40,120	+11.7	116,519	110,061
Business supplies	18,633	18,594	18,259	+0.2	+1.8	-3.7	18,856	18,271	17,218	19,620	-3.9	54,345	57,691
Construction materials and supplies	14,386	14,251	13,811	+0.9	+3.2	+0.6	14,505	13,504	11,978	12,788	+13.4	39,987	36,466
Defense products	8,638	8,948	8,511	-3.5	+5.1	-2.0	8,959	8,513	6,916	8,973	-0.2	24,388	24,05
Other materials, supplies and and intermediate products	80,692	80,229	78,665	+0.6	+2.0	+1.1	84,391	80,259	72,972	79,541	+6.1	237,622	231,73
Durable goods industries :													
Nondefense capital goods [3]	33,867	32,800	31,909	+3.3	+2.8	+2.4	37,721	31,417	26,427	34,744	+8.6	95,565	92,14
Excluding aircraft and parts	27,056	25,988	26,084	+4.1	-0.4	+1.7	30,118	24,925	21,924	28,553	+5.5	76,967	75,14
Defense capital goods [4]	8,420	8,885	8,394	-5.2	+5.8	+0.1	8,698	8,302	6,658	8,994	-3.3	23,658	23,61
Durables excluding capital goods	84,247	83,693	81,312	+0.7	+2.9	+1.3	88,425	83,846	73,802	78,311	+12.9	246,073	227,82
Miscellaneous series :													
Producers' durable equipment	81,029	79,607	77,605	+1.8	+2.6	+2.0	87,877	79,143	68,138	77,664	+13.2	235,158	218,01
Household durable goods	6,936	6,794	6,755	+2.1	+0.6	+1.7	7,469	6,779	5,709	6,677	+11.9	19,957	18,41
Information technology industries	15,251	14,974	15,228	+1.8	-1.7	+5.9	17,144	13,702	12,499	15,811	+8.4	43,345	40,81
Health care equipment and products	7,474	7,396	7,624	+1.1	-3.0	+2.0	7,797	7,404	7,524	6,974	+11.8	22,725	21,06
NEW ORDERS													
All manufacturing industries	240,796	236,942	235,188	+1.6	+0.7	+0.5	252,923	234,914	215,622	238,355	+6.1	703,459	689,86
Market categories :													
Automotive equipment	8,828	8,850	8,125	-0.2	+8.9	+1.7	9,505	9,194	7,445	7,147	+33.0	26,144	21,4
Home goods and apparel	15,640	15,545	15,346	+0.6	+1.3	-2.0	16,535	16,166	13,957	14,801	+11.7	46,658	41,8
Consumer staples	55,743	55,186	54,791	+1.0	+0.7	-1.1	56,736	53,558	50,890	56,238	+0.9	161,184	162,5
Machinery and equipment	40,750	38,561	38,155	+5.7	+1.1	+7.5	44,480	37,573	33,058	40,342	+10.3	115,111	113,8
Business supplies	18,720	18,488	18,173	+1.3	+1.7	-4.6	18,921	18,181	17,177	19,475	-2.8	54,279	57,6
Construction materials and supplies	14,294	14,125	13,980	+1.2	+1.0	+1.9	14,545	13,424	12,159	12,982	+12.0	40,128	36,6
Defense products	7,332	6,540	7,976	+12.1	-18.0	-19.9	8,180	6,106	6,727	7,637	+7.1	21,013	22,3
Other materials, supplies and and intermediate products	79,489	79,647	78,642	-0.2	+1.3	+2.3	84,021	80,712	74,209	79,733	+5.4	238,942	233,5
Durable goods industries :													
Nondefense capital goods [3]	34,068	31,186	31,636	+9.2	-1.4	+9.4	37,387	29,941	26,956	34,963	+6.9	94,284	96,8
Excluding aircraft and parts	26,701	25,955	26,490	+2.9	-2.0	+4.5	29,228	25,030	23,132	26,184	+11.6	77,390	73,8
Defense capital goods [4]	7,033	6,390	7,811	+10.1	-18.2	-20.0	7,994	5,897	6,590	7,531	+6.1	20,481	22,1
Durables excluding capital goods	82,249	83,286	81,120	-1.2	+2.7	+2.5	87,377	84,610	75,327	78,496	+11.3	247,314	228,9
Miscellaneous series :													
Producers' durable equipment	79,465	77,534	77,058	+2.5	+0.6	+5.2	86,271	77,549	69,405	77,166	+11.8	233,225	221,7
Household durable goods	6,670	6,753	6,545	-1.2	+3.2	-3.6	7,492	7,011	6,243	6,895	+8.7	20,746	19,1
Information technology industries	15,028	14,732	14,976	+2.0	-1.6	+6.9	16,903	13,566	12,347	15,163	+11.5	42,816	40,9
Health care equipment and products	7,248	7,383	7,645	-1.8	-3.4	+8.3	7,571	7,391	7,544	6,926	+9.3	22,506	20,9

[p] Preliminary. [r] Revised.

[1] Topical series are regroupings of the separate industry categories.

[2] Shipments and new orders are the totals for the period and are adjusted for trading-day and calendar-month variations.

[3] Nondefense capital goods industries include : ordnance and accessories; steam, gas and hydraulic turbines; internal combustion engines; construction, mining, and material handling equipme metalworking machinery; special industry machinery; general industrial machinery; computer and office equipment; refrigeration, heating and service industry machinery; electrical transmission a distribution equipment; electrical industrial apparatus; communications equipment; aircraft, missiles, space vehicles, and engines and parts; ships and tank components; railroad equipment; and sea and navigation equipment.

[4] Defense capital goods industries include : ordnance and accessories; communications equipment; aircraft, missiles, space vehicles, and engines and parts; ships, tanks and tank components; a search and navigation equipment.

Table 6. VALUE OF MANUFACTURERS' UNFILLED ORDERS AND TOTAL INVENTORIES FOR TOPICAL SERIES[1]
(Millions of dollars)

Industry	Seasonally adjusted						Not seasonally adjusted				
	Monthly			Percent Change			Monthly				Percent change
	Mar. 1992[p]	Feb. 1992[r]	Jan. 1992	Feb.-Mar.	Jan.-Feb.	Dec.-Jan.	Mar. 1992[p]	Feb. 1992[r]	Jan. 1992	Mar. 1991	Mar. 92/91
UNFILLED ORDERS											
All manufacturing industries	502,372	505,428	510,169	-0.6	-0.9	-0.2	505,564	506,983	509,953	529,259	-4.5
Market categories :											
Automotive equipment	2,032	2,089	2,076	-2.7	+0.6	+0.8	2,077	2,128	2,091	1,900	+9.3
Home goods and apparel	8,399	8,762	8,913	-4.1	-1.7	-2.7	8,658	8,609	8,229	8,108	+6.8
Consumer staples	1,288	1,301	1,315	-1.0	-1.1	+3.5	1,263	1,294	1,338	1,300	-2.8
Machinery and equipment	216,531	216,639	218,007	0.0	-0.6	-0.2	216,450	216,790	218,009	232,075	-6.7
Business supplies	5,714	5,628	5,734	+1.5	-1.8	-1.5	5,654	5,590	5,679	5,858	-3.5
Construction materials and supplies	13,030	13,122	13,248	-0.7	-1.0	+1.3	13,116	13,077	13,157	12,569	+4.4
Defense products	132,094	133,399	135,807	-1.0	-1.8	-0.4	133,933	134,712	137,119	141,983	-5.7
Other materials, supplies and and intermediate products	123,284	124,488	125,069	-1.0	-0.5	0.0	124,413	124,783	124,331	125,466	-0.8
Durable goods industries :											
Nondefense capital goods [3]	240,369	240,168	241,782	+0.1	-0.7	-0.1	240,256	240,590	242,066	254,532	-5.6
Excluding aircraft and parts	79,630	79,985	80,018	-0.4	0.0	+0.5	79,517	80,407	80,302	86,116	-7.7
Defense capital goods [4]	140,523	141,910	144,405	-1.0	-1.7	-0.4	142,387	143,091	145,496	151,307	-5.9
Durables excluding capital goods	99,728	101,726	102,133	-2.0	-0.4	-0.2	100,885	101,933	101,169	102,604	-1.7
Miscellaneous series :											
Producers' durable equipment	238,865	240,429	242,502	-0.7	-0.9	-0.2	239,044	240,650	242,244	259,140	-7.8
Household durable goods	4,978	5,244	5,285	-5.1	-0.8	-3.8	5,117	5,094	4,862	4,797	+6.7
Information technology industries	37,994	38,217	38,459	-0.6	-0.6	-0.7	37,778	38,019	38,155	42,378	-10.9
Health care equipment and products	7,216	7,442	7,455	-3.0	-0.2	+0.3	7,215	7,440	7,454	7,976	-9.5
TOTAL INVENTORIES											
All manufacturing industries	372,850	372,801	373,992	0.0	-0.3	-0.5	373,323	375,181	373,463	386,434	-3.4
Market categories :											
Automotive equipment	6,340	6,306	6,401	+0.5	-1.5	-1.1	6,407	6,575	6,539	6,528	-1.9
Home goods and apparel	27,605	27,383	27,193	+0.8	+0.7	+1.9	27,519	27,294	27,022	25,615	+7.4
Consumer staples	55,344	54,899	54,657	+0.8	+0.4	-0.8	54,733	55,239	55,092	53,818	+1.7
Machinery and equipment	83,857	84,676	85,583	-1.0	-1.1	-0.4	83,828	85,369	84,931	87,883	-4.6
Business supplies	21,164	21,140	21,299	+0.1	-0.7	-0.6	21,308	21,155	20,932	22,473	-5.2
Construction materials and supplies	22,912	22,759	22,652	+0.7	+0.5	-0.3	23,144	23,064	22,703	23,854	-3.0
Defense products	32,026	32,028	32,362	0.0	-1.0	-1.4	32,077	31,729	31,705	35,161	-8.8
Other materials, supplies and and intermediate products	123,602	123,610	123,845	0.0	-0.2	-0.6	124,307	124,756	124,539	131,102	-5.2
Durable goods industries :											
Nondefense capital goods [3]	79,678	80,437	81,309	-0.9	-1.1	-0.4	79,341	80,890	80,579	83,812	-5.3
Excluding aircraft and parts	52,149	52,622	53,036	-0.9	-0.8	-0.7	51,823	52,755	52,485	55,683	-6.9
Defense capital goods [4]	34,174	34,074	34,339	+0.3	-0.8	-1.6	34,222	33,726	33,542	37,658	-9.1
Durables excluding capital goods	123,062	123,023	123,243	0.0	-0.2	-0.4	123,787	124,329	123,678	129,547	-4.4
Miscellaneous series :											
Producers' durable equipment	136,027	136,937	137,963	-0.7	-0.7	-0.2	136,380	138,199	137,626	142,381	-4.2
Household durable goods	12,497	12,497	12,520	0.0	-0.2	+1.0	12,497	12,549	12,490	12,433	+0.5
Information technology industries	25,983	26,117	26,404	-0.5	-1.1	+0.4	25,602	26,039	26,009	27,221	-5.9
Health care equipment and products	11,897	11,916	11,795	-0.2	+1.0	-0.5	11,887	11,869	11,627	11,310	+5.1

See footnotes at end of table 5.

Table 7. VALUE OF MANUFACTURERS' INVENTORIES, BY STAGE OF FABRICATION, BY INDUSTRY GROUP
(Millions of dollars)

Industry	Seasonally adjusted						Not seasonally adjusted				
	Monthly			Percent Change			Monthly				Percen change
	Mar. 1992[p]	Feb. 1992[r]	Jan. 1992	Feb.-Mar.	Jan.-Feb.	Dec.-Jan.	Mar. 1992[p]	Feb. 1992[r]	Jan. 1992	Mar. 1991	Mar. 92/91
MATERIALS AND SUPPLIES											
All manufacturing industries	114,531	114,731	115,259	-0.2	-0.5	-0.4	114,575	115,607	116,707	119,652	-4.
Durable goods industries	64,930	65,311	65,830	-0.6	-0.8	-0.4	64,667	65,690	66,458	69,825	-7.
Stone, clay, and glass products	2,402	2,430	2,459	-1.2	-1.2	-0.3	2,388	2,449	2,480	2,512	-4.
Primary metals	6,558	6,495	6,584	+1.0	-1.4	-2.3	6,304	6,463	6,724	6,994	-9.
Fabricated metal products	7,752	7,670	7,830	+1.1	-2.0	-0.8	7,843	7,691	7,924	8,569	-8.
Industrial machinery and equipment	11,896	12,095	12,121	-1.6	-0.2	-0.6	11,809	12,167	12,267	13,112	-9.
Electronic and other electrical equipment	8,481	8,556	8,611	-0.9	-0.6	0.0	8,489	8,582	8,584	9,175	-7.
Transportation equipment	13,696	13,808	13,903	-0.8	-0.7	-0.6	13,747	13,943	13,992	15,004	-8.
Instruments and related products	5,833	5,917	5,946	-1.4	-0.5	+0.3	5,866	5,973	5,937	5,765	+1.
Lumber, furniture and miscellaneous durable goods	8,312	8,340	8,376	-0.3	-0.4	+1.5	8,221	8,422	8,550	8,694	-5.
Nondurable goods industries	49,601	49,420	49,429	+0.4	0.0	-0.5	49,908	49,917	50,249	49,827	+0.
Food and kindred products	9,914	9,811	9,588	+1.0	+2.3	+1.3	9,946	9,918	9,883	9,426	+5.
Tobacco products	4,610	4,605	4,521	+0.1	+1.9	-0.2	4,711	4,831	4,950	4,356	+8
Textile mill products	2,556	2,548	2,532	+0.3	+0.6	+1.5	2,567	2,581	2,545	2,457	+4
Paper and allied products	7,125	7,114	7,128	+0.2	-0.2	+0.5	7,141	7,174	7,252	7,158	-0
Chemicals and allied products	10,933	10,831	10,901	+0.9	-0.6	-0.8	10,962	10,909	10,917	10,981	-0
Petroleum and coal products	2,845	2,842	2,934	+0.1	-3.1	-6.4	2,892	2,822	2,853	3,309	-12
Rubber and plastics products	3,986	3,978	4,011	+0.2	-0.8	-0.8	3,988	3,983	4,058	4,252	-6
Apparel, printing and publishing and leather goods	7,632	7,691	7,814	-0.8	-1.6	-1.6	7,701	7,699	7,791	7,888	-2
WORK IN PROCESS											
All manufacturing industries	134,894	135,313	136,002	-0.3	-0.5	-0.4	134,940	135,155	134,108	140,997	-4
Durable goods industries	112,105	112,590	113,401	-0.4	-0.7	-0.8	112,242	112,509	111,640	118,962	-5
Stone, clay, and glass products	1,027	1,027	1,018	0.0	+0.9	-1.5	1,076	1,066	1,011	1,126	-4
Primary metals	8,260	8,267	8,258	-0.1	+0.1	-1.6	8,311	8,243	8,196	9,432	-11
Fabricated metal products	7,683	7,881	7,872	-2.5	+0.1	+3.2	7,689	7,934	7,826	8,208	-6
Industrial machinery and equipment	20,224	20,185	20,535	+0.2	-1.7	-1.4	20,257	20,064	20,146	21,640	-6
Electronic and other electrical equipment	11,850	11,912	11,928	-0.5	-0.1	+0.2	11,815	11,889	11,699	12,199	-3
Transportation equipment	47,101	47,298	47,619	-0.4	-0.7	-0.9	47,181	47,287	46,827	49,281	-4
Instruments and related products	11,569	11,679	11,848	-0.9	-1.4	-2.1	11,495	11,616	11,604	12,727	-9
Lumber, furniture and miscellaneous durable goods	4,391	4,341	4,323	+1.2	+0.4	-0.4	4,418	4,410	4,331	4,349	+1
Nondurable goods industries	22,789	22,723	22,601	+0.3	+0.5	+1.3	22,698	22,646	22,468	22,035	+3
Food and kindred products	3,303	3,437	3,462	-3.9	-0.7	+0.2	3,320	3,471	3,534	3,412	-2
Tobacco products	183	171	172	+7.0	-0.6	+49.6	166	175	171	148	+12
Textile mill products	2,478	2,480	2,437	-0.1	+1.8	-0.7	2,511	2,487	2,420	2,452	+2
Paper and allied products	1,198	1,210	1,239	-1.0	-2.3	+1.4	1,209	1,199	1,231	1,387	-12
Chemicals and allied products	5,479	5,470	5,446	+0.2	+0.4	-0.9	5,384	5,455	5,438	5,099	+5
Petroleum and coal products	2,885	2,778	2,667	+3.9	+4.2	+1.6	2,817	2,694	2,628	2,563	+9
Rubber and plastics products	1,466	1,507	1,512	-2.7	-0.3	+0.7	1,455	1,524	1,550	1,560	-6
Apparel, printing and publishing and leather goods	5,797	5,670	5,666	+2.2	+0.1	+4.1	5,836	5,641	5,496	5,414	+7
FINISHED GOODS											
All manufacturing industries	123,425	122,757	122,731	+0.5	0.0	-0.5	123,808	124,419	122,648	125,785	-1
Durable goods industries	59,879	59,633	59,660	+0.4	0.0	-0.5	60,441	60,746	59,701	62,230	-2
Stone, clay, and glass products	4,437	4,467	4,434	-0.7	+0.7	-0.7	4,545	4,615	4,413	4,637	-2
Primary metals	6,191	6,110	6,144	+1.3	-0.6	-1.3	6,260	6,190	6,164	6,715	-6
Fabricated metal products	7,324	7,264	7,273	+0.8	-0.1	+1.1	7,513	7,348	7,259	7,770	-3
Industrial machinery and equipment	11,976	12,181	12,258	-1.7	-0.6	-0.5	11,960	12,619	12,344	13,154	-9
Electronic and other electrical equipment	8,255	8,149	8,088	+1.3	+0.8	+1.3	8,288	8,166	7,981	8,372	-1
Transportation equipment	9,012	8,850	8,887	+1.8	-0.4	-2.3	8,973	9,122	9,068	8,968	+0
Instruments and related products	5,254	5,229	5,219	+0.5	+0.2	-1.6	5,305	5,216	5,091	5,185	+2
Lumber, furniture and miscellaneous durable goods	7,430	7,383	7,357	+0.6	+0.4	+0.2	7,597	7,470	7,381	7,429	+2
Nondurable goods industries	63,546	63,124	63,071	+0.7	+0.1	-0.5	63,367	63,673	62,947	63,555	-0
Food and kindred products	15,824	15,547	15,624	+1.8	-0.5	-1.8	15,225	15,606	15,731	14,755	+3
Tobacco products	1,154	1,196	1,240	-3.5	-3.5	+1.8	1,159	1,392	1,291	1,262	-8
Textile mill products	3,785	3,773	3,787	+0.3	-0.4	+2.4	3,787	3,825	3,731	3,815	-0
Paper and allied products	5,275	5,238	5,195	+0.7	+0.8	+0.5	5,414	5,367	5,260	5,293	+2
Chemicals and allied products	16,413	16,560	16,262	-0.9	+1.8	-1.0	16,882	16,912	16,400	17,109	-1
Petroleum and coal products	5,143	4,920	5,047	+4.5	-2.5	-4.3	5,037	4,940	4,999	5,598	-10
Rubber and plastics products	5,543	5,607	5,707	-1.1	-1.8	+0.1	5,718	5,753	5,729	6,162	-7
Apparel, printing and publishing and leather goods	10,409	10,283	10,209	+1.2	+0.7	+2.0	10,145	9,878	9,806	9,561	+6

[p] Prelimary. [r] Revised.

Table 8. RATIOS OF MANUFACTURES' INVENTORIES TO SHIPMENTS AND UNFILLED ORDERS TO SHIPMENTS, BY INDUSTRY GROUP
(Based on seasonally adjusted data)

Industry	Inventory / Shipments ratio				Unfilled Orders / Shipments ratio[1]			
	Mar. 1992[p]	Feb. 1992[r]	Jan. 1992	Dec. 1991	Mar. 1992[p]	Feb. 1992[r]	Jan. 1992	Dec. 1991
ll manufacturing industries	1.53	1.54	1.58	1.59	3.75	3.80	3.91	3.94
able goods industries	1.87	1.89	1.96	2.01	4.54	4.61	4.77	4.84
one, clay, and glass products	1.62	1.65	1.68	1.73	1.43	1.43	1.48	1.50
imary metals	1.96	1.92	1.96	2.05	1.85	1.86	1.89	2.00
bricated metal products	1.51	1.50	1.52	1.49	1.91	1.90	1.91	1.89
dustrial machinery and equipment	2.03	2.13	2.15	2.22	2.58	2.70	2.71	2.74
ectronic and other lectrical equipment	1.61	1.65	1.67	1.60	2.64	2.72	2.78	2.66
ansportation equipment	2.09	2.08	2.29	2.40	11.77	11.78	12.95	13.85
struments and related products	2.29	2.31	2.37	2.37	5.60	5.63	5.75	5.66
ndurable goods industries	1.16	1.16	1.18	1.17	0.77	0.77	0.78	0.77
od and kindred products	0.87	0.87	0.88	0.87	(X)	(X)	(X)	(X)
bacco products	2.36	2.48	2.36	2.58	(X)	(X)	(X)	(X)
xtile mill products	1.55	1.56	1.56	1.57	(NA)	(NA)	(NA)	(NA)
per and allied products	1.33	1.33	1.34	1.33	(NA)	(NA)	(NA)	(NA)
emicals and allied products	1.36	1.37	1.36	1.39	(X)	(X)	(X)	(X)
troleum and coal products	0.82	0.83	0.88	0.86	(X)	(X)	(X)	(X)
ubber and plastics products	1.35	1.38	1.41	1.46	(X)	(X)	(X)	(X)

[p] Preliminary. [r] Revised. (X) Not applicable. (NA) Not available.

[1] Excludes the following industries with no unfilled orders : Wood and lumber products; glass containers; metal cans, barrels and drums; farm and garden machinery; motor vehicle assembly erations, other transportation equipment; foods and related products; tobacco; knitting mill products; apparel and related products; chemicals; petroleum and coal products; and rubber and plastics ducts.

Table 9. AVERAGE REVISIONS TO PREVIOUSLY PUBLISHED MONTHLY PERCENT CHANGES
(Based on seasonally adjusted data)

Industry	Shipments			New orders			Unfilled orders			Inventories		
	Mar. 1991	Mar.[1] 1987-1991	Mar. 1991-Feb. 1992	Mar. 1991	Mar.[1] 1987-1991	Mar. 1991-Feb. 1992	Mar. 1991	Mar.[1] 1987-1991	Mar. 1991-Feb. 1992	Mar. 1991	Mar.[1] 1987-1991	Mar. 1991-Feb. 1992
ll manufacturing industries	0.0	0.0	0.1	0.0	0.1	0.1	0.0	0.0	0.1	0.0	0.1	0.1
rable goods industries	0.4	0.1	0.1	0.3	0.3	0.2	0.0	0.1	0.1	0.0	0.1	0.1
one, clay, and glass products	0.4	0.7	0.7	1.1	0.8	1.0	0.6	0.2	0.5	0.0	0.1	0.2
rimary metals	0.2	0.2	0.3	0.6	0.5	0.6	0.2	0.2	0.3	0.0	0.2	0.1
abricated metal products	0.0	0.1	0.2	0.1	0.5	0.4	0.1	0.3	0.2	0.1	0.1	0.1
ndustrial machinery and equipment	0.8	0.4	0.3	0.1	0.4	0.4	0.4	0.3	0.2	0.1	0.2	0.1
lectronic and other electrical equipment	0.2	0.2	0.2	0.1	0.4	0.8	0.0	0.1	0.3	0.2	0.1	0.1
ransportation equipment	0.5	0.2	0.3	0.4	0.4	0.3	0.0	0.1	0.0	0.0	0.1	0.3
struments and related products	0.0	0.4	0.2	0.2	0.5	0.7	0.0	0.1	0.1	0.0	0.1	0.0
ndurable goods industries	0.3	0.1	0.1	0.4	0.1	0.2	0.2	0.2	0.2	0.2	0.1	0.1
od and kindred products	0.2	0.1	0.2	(X)	(X)	(X)	(X)	(X)	(X)	0.0	0.1	0.1
obacco products	0.0	0.0	0.2	(X)	(X)	(X)	(X)	(X)	(X)	0.0	0.0	0.0
extile mill products	0.2	0.5	0.2	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	0.1	0.2	0.2
aper and allied products	0.1	0.4	0.2	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	0.1	0.2	0.2
hemicals and allied products	1.0	0.5	0.3	(X)	(X)	(X)	(X)	(X)	(X)	0.1	0.2	0.1
etroleum and coal products	0.1	0.4	0.2	(X)	(X)	(X)	(X)	(X)	(X)	0.1	0.3	0.1
ubber and plastics products	0.4	0.5	0.4	(X)	(X)	(X)	(X)	(X)	(X)	0.0	0.1	0.2
Oital goods industries :												
ondefense	0.8	0.3	0.2	0.2	0.3	0.4	0.1	0.1	0.1	0.0	0.1	0.3
efense	0.9	0.2	0.5	1.8	1.5	1.1	0.0	0.1	0.0	0.1	0.1	0.0

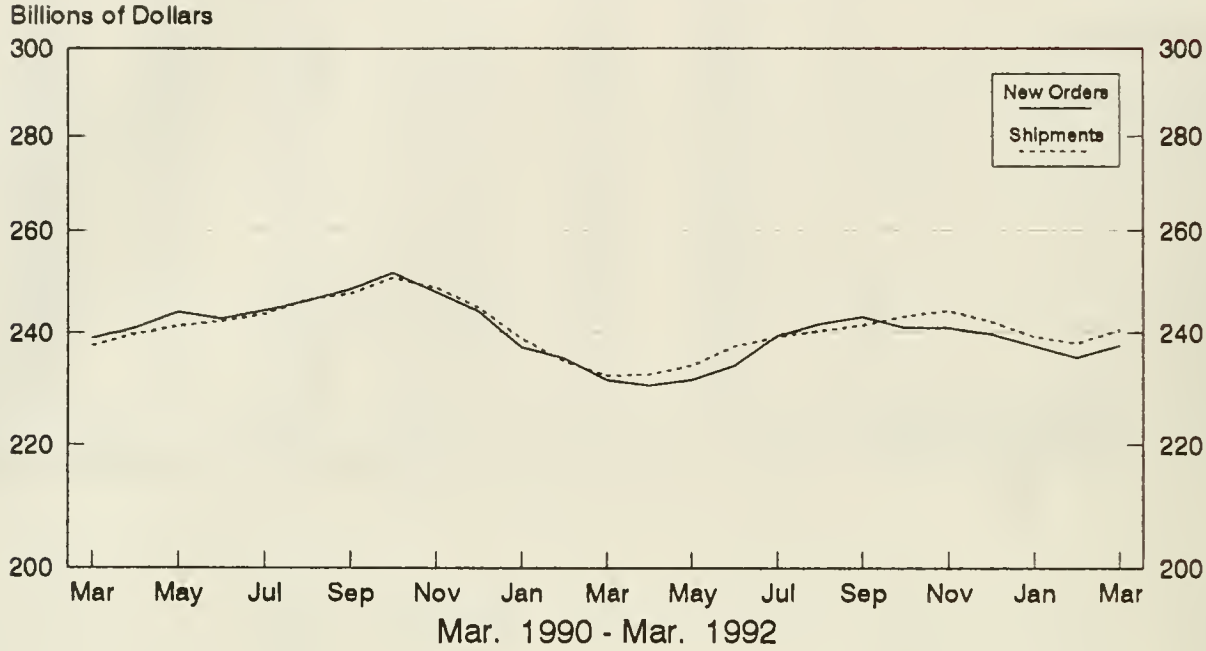
(X) Not applicable. (NA) Not available.

Note The revisions are the differences between the month-to-month percent changes of the preliminary and final estimates. The monthly averages are the simple averages of the absolute values the differences for the months specified. The advance to final percent change revisions for the durable goods industries are shown in the advance report for the month.

[1] Average for this month for the last five years.

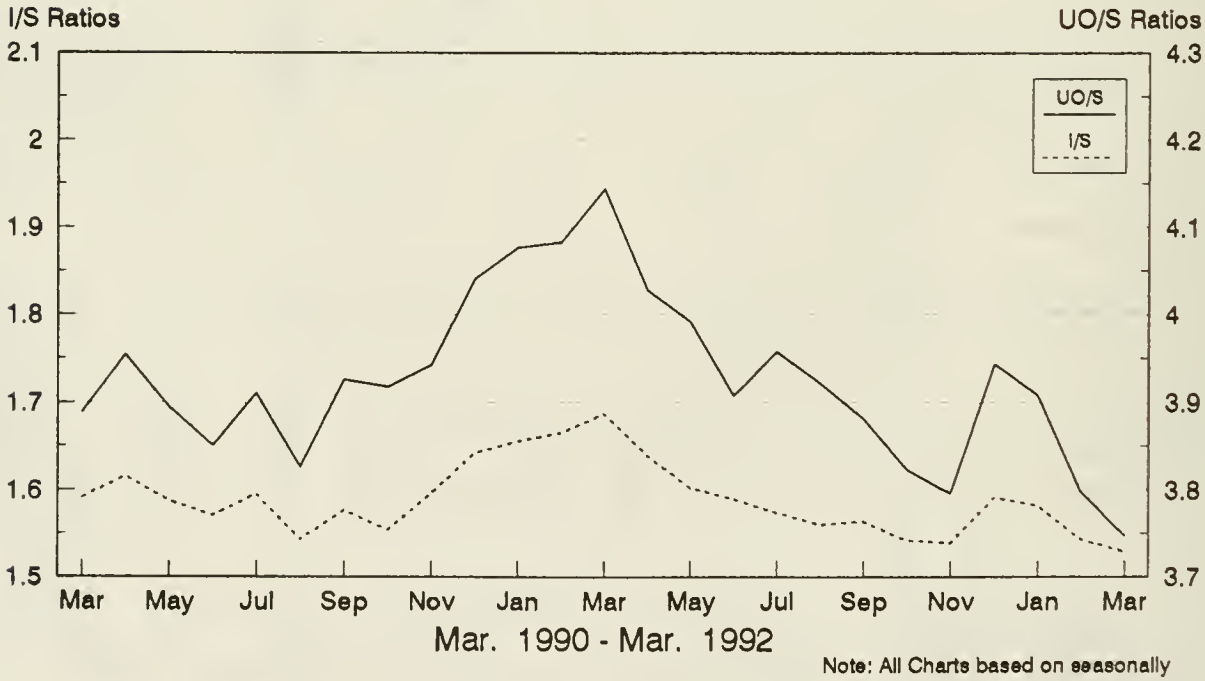
Total Manufacturing

New Orders and Shipments
Three Month Moving Averages



Total Manufacturing

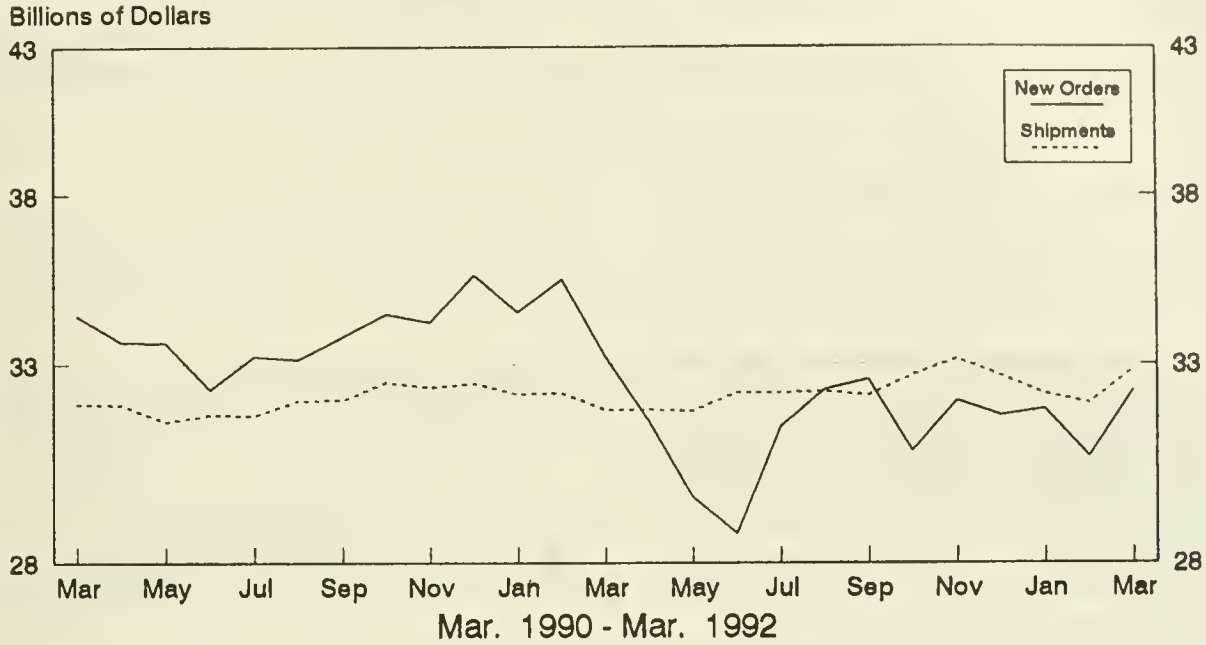
Ratio of Unfilled Orders and
Inventories to Shipments



Note: All Charts based on seasonally adjusted current dollars.

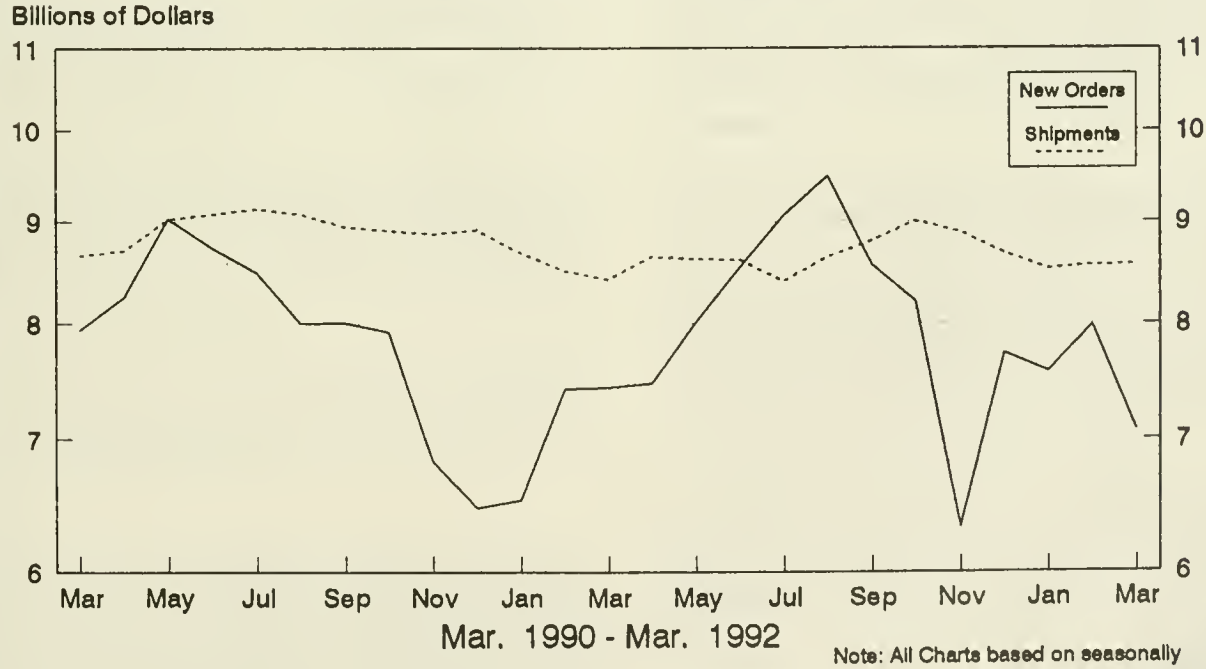
NonDefense Capital Goods

New Orders and Shipments
Three Month Moving Averages



Defense Capital Goods

New Orders and Shipments
Three Month Moving Averages



Note: All Charts based on seasonally adjusted current dollars.

U.S. Department of Commerce
BUREAU OF THE CENSUS
Washington, D.C. 20233

Official Business
Penalty for Private Use, $300

U.S. MAIL

POSTAGE AND FEES
U S DEPARTMENT OF COMME
COM-

First Class Mail

NOTICE

Revised historical data for Manufacturers' Shipments, Inventories, and Orders will be issued in mid-June. The primary purpose of the revision is to benchmark the data to the 1989 and 1990 Annual Survey of Manufactures. Less significant revisions will reflect the addition of data received too late to include in the monthly press releases, corrections for misclassified reports, and updating the trading day adjustment methodology. Revisions related to benchmarking affect all industry categories.

Any questions regarding this announcement can be answered by calling Steve Andrews on (301) 763-2502.

3.158:M 3-1-(92)-04
SUPERINTENDENT OF DOCUMENTS
AUG 13 1992
BOSTON PUBLIC LIBRARY
GOVERNMENT DOCUMENTS DEPARTMENT

CURRENT INDUSTRIAL REPORTS

Manufacturers' Shipments, Inventories, and Orders

April 1992
M3-1-(92)-04
For Wire Transmissions 10:00 a.m. E.D.T. Wednesday, June 3, 1992

U. S. Department of Commerce
BUREAU OF THE CENSUS

(All figures in text are in seasonally adjusted current dollars)

Summary

New orders for manufactured goods in April increased $2.4 billion or 1.0 percent to $243.8 billion, the Department of Commerce, Bureau of the Census reported today. This is the fourth consecutive increase. Both durables and nondurables increased in April.

Shipments were up $0.6 billion or 0.2 percent to $244.7 billion. This is the twelfth increase in the last thirteen months. An increase in the nondurables more than offset a decline in the durables.

Unfilled orders decreased $0.9 billion or 0.2 percent to $501.8 billion and are at the lowest level since $ 501.5 billion in August 1989. This is the eighth consecutive monthly decline and the fourteenth in the last sixteen months. A decline in durables more than offset a nondurables increase.

Inventories declined $1.2 billion or 0.3 percent to $371.5 and are at the lowest level since $370.5 billion in January 1989. This is the thirteenth decline in the last fourteen months. The April decline was primarily due to durable goods. The inventories-to-shipments ratio decreased from 1.53 in March to 1.52 in April.

New Orders

New orders for manufactured durable goods increased in April for the fourth consecutive month, up $1.6 billion or 1.3 percent to $125.3 billion. The April increase follows increases of 2.3 percent in March, 0.2 percent in February, and 2.4 percent in January.

Transportation equipment was up $1.9 billion or 5.9 percent to $34.0 billion, with increases in all categories except railroad and other transportation equipment. This is the fourth consecutive monthly increase. Primary metals increased $0.3 billion or 2.5 percent to $10.7 billion. Industrial machinery and equipment was down $0.5 billion or 2.2 percent to $20.9 billion.

New orders for nondurable goods increased $0.8 billion or 0.7 percent to $118.6 billion, following a 1.5 percent increase in March. Large increases in foods, petroleum and coal products, and chemicals were partially offset by declines in tobacco and textile mill products.

Shipments

Shipments of durable goods in April decreased $0.3 billion or 0.3 percent to $126.3 billion, following increases of 1.0 percent in March, 3.1 percent in February, and 1.5 percent in January. This is the first decline since a 5.3 percent decrease in December 1991. Industrial machinery and equipment was down $0.3 billion or 1.3 percent to $21.4 billion. Electronic and other electrical machinery decreased $0.2 billion or 1.0 percent to $17.6 billion, primarily due to communication equipment. Transportation equipment declined $0.1 billion or 0.4 percent to $33.4 billion, with decreases in all categories except motor vehicles and parts. The largest increases occurred in instruments and related products and primary metals.

Shipments of nondurable goods increased $0.9 billion or 0.8 percent to $118.4 billion, following a 1.1 percent increase in March. The largest increases in April were foods, up $0.7 billion or 2.2 percent, petroleum and coal products, up $0.5 billion or 3.7 percent and chemicals and allied products, up $0.4 billion or 1.6 percent. Tobacco had the largest decline, down $0.6 billion or 22.9 percent to $2.0 billion.

Unfilled Orders

Unfilled orders for durable goods in April decreased $1.0 billion or 0.2 percent to $479.7 billion, and are at the lowest level since $479.6 billion in August 1989. This is the eighth consecutive monthly decline. Excluding transportation, unfilled orders decreased $1.7 billion or 0.8 percent to $212.4 billion. Instruments and related products declined $0.6 billion or 1.0 percent, entirely due to search and navigation equipment. Industrial machinery and equipment, down $0.5 billion or 1.0 percent to $51.8 billion, has declined in six of the last seven months and is at the lowest level since $51.7 billion in October 1987. Fabricated metals were down $0.5 billion or 1.9 percent with most components declining. Transportation equipment was up $0.6 billion or 0.2 percent to $267.3 billion.

Inventories

Inventories for durable goods in April were down $1.2 billion or 0.5 percent to $235.7 billion and are at the lowest level since $235.1 billion in October 1988. This is the thirteenth decline in the last fourteen months. The largest decline was in transportation equipment, down $1.0 billion or 1.5 percent to $68.7 billion. This is the fifth consecutive decline. Industrial machinery and equipment decreased for the ninth consecutive month, down in April $0.3 billion or 0.6 percent to $43.9 billion. Nondurable goods remained at $135.9 billion. A large decline in foods was offset by increases in nearly all the other industries.

By stage of fabrication, finished-goods inventories were up 0.1 percent in durables and down 0.5 percent in nondurables. Work in process declined 1.2 percent in durables and increased 0.9 percent in nondurables. Materials and supplies had no change in durables and increased 0.3 percent in nondurables.

(SEE BACK PAGE FOR UPCOMING REVISIONS)

The advance report on durable goods for May is scheduled for June 24, 1992 at 8:30 a.m. and the full report on July 2, 1992 at 10:00 a.m. Address inquiries concerning these figures to U.S. Department of Commerce, Bureau of the Census, Industry Division, Washington, DC 20233 or call Steve Andrews or Kathleen Menth, (301) 763-2502 or (301) 763-2575.For sale by the Superintendent of Documents, U.S. Government Printing Office, Washington, DC 20402. This report is also available the day of issue through the Department of Commerce's online Economic Bulletin Board (N-8-1) (202-377-3870) and through the Census Bureau's online information service-CENDATA. CENDATA is available from Dialog Information Services, INC. (1-800-334-2464) and CompuServe (1-800-848-8199). The CENDATA staff at the Bureau of the Census (301-763-2074) can provide content information and general guidance.

Table 1. VALUE OF MANUFACTURERS' SHIPMENTS FOR INDUSTRY GROUPS
(Millions of dollars)

Industry	Seasonally adjusted						Not seasonally adjusted[1]						
	Monthly			Percent Change			Monthly				Percent change	Year to date	
	Apr. 1992[p]	Mar. 1992[r]	Feb. 1992	Mar.-Apr.	Feb.-Mar.	Jan.-Feb.	Apr. 1992[p]	Mar. 1992[r]	Feb. 1992	Apr. 1991	Apr. 92/91	1992[p]	1991
All manufacturing industries	244,743	244,182	241,683	+0.2	+1.0	+2.2	243,611	254,398	237,884	235,069	+3.6	949,489	919,751
Manufacturing industries with unfilled orders	133,993	134,446	133,077	-0.3	+1.0	+2.0	132,432	141,981	130,788	128,541	+3.0	521,118	506,18
Durable goods industries	126,305	126,639	125,378	-0.3	+1.0	+3.1	126,325	134,851	123,565	120,571	+4.8	491,628	464,15
With unfilled orders	105,561	106,011	104,857	-0.4	+1.1	+2.3	103,992	113,111	102,753	100,591	+3.4	409,618	394,15
Stone, clay, and glass products	4,918	4,884	4,816	+0.7	+1.4	+2.5	5,036	4,891	4,489	4,757	+5.9	18,477	17,48
Primary metals	10,876	10,746	10,890	+1.2	-1.3	+1.9	11,152	11,091	10,908	10,966	+1.7	43,294	42,96
Blast furnaces, steel mills	4,468	4,427	4,503	+0.9	-1.7	+1.1	4,571	4,609	4,476	4,327	+5.6	17,986	17,23
Iron and steel foundries	921	926	936	-0.5	-1.1	+2.9	962	932	922	897	+7.2	3,626	3,37
Nonferrous and other primary metals	5,487	5,393	5,451	+1.7	-1.1	+2.4	5,619	5,550	5,510	5,742	-2.1	21,682	22,35
Fabricated metal products	15,120	15,051	15,228	+0.5	-1.2	+0.5	15,295	15,877	15,253	15,017	+1.9	59,874	58,62
Industrial machinery and equipment	21,408	21,698	20,838	-1.3	+4.1	-0.2	20,829	24,557	20,060	20,557	+1.3	82,990	81,98
Engines and turbines	1,545	1,537	1,457	+0.5	+5.5	+2.5	1,451	1,748	1,380	1,302	+11.4	5,722	5,18
Farm and garden machinery	1,291	1,347	1,340	-4.2	+0.5	-6.1	1,579	1,655	1,441	1,626	-2.9	5,956	5,72
Construction, mining and material handling equipment	2,508	2,413	2,403	+3.9	+0.4	+3.8	2,663	2,631	2,459	3,034	-12.2	9,836	11,40
Metalworking machinery	1,926	1,981	1,802	-2.8	+9.9	+4.9	1,772	2,258	1,810	1,589	+11.5	7,239	6,64
Computer and office equipment	6,569	6,468	6,342	+1.6	+2.0	-2.4	5,295	7,749	5,439	4,725	+12.1	23,320	21,08
Electronic and other electrical equipment	17,586	17,769	17,340	-1.0	+2.5	+1.4	16,927	18,737	17,026	16,197	+4.5	67,903	64,85
Electrical transmission and distribution equipment and industrial apparatus	2,324	2,327	2,249	-0.1	+3.5	-1.0	2,327	2,557	2,316	2,302	+1.1	9,223	9,17
Household appliances	1,571	1,557	1,529	+0.9	+1.8	+8.7	1,623	1,675	1,481	1,589	+2.1	6,035	5,92
Electric lighting and wiring equipment	1,383	1,393	1,336	-0.7	+4.3	+2.6	1,303	1,445	1,365	1,253	+4.0	5,254	5,03
Household audio and video equipment	1,065	1,031	1,030	+3.3	+0.1	+8.1	846	994	925	679	+24.6	3,549	2,86
Communications equipment	4,287	4,446	4,320	-3.6	+2.9	-1.9	4,107	4,790	4,110	3,777	+8.7	16,787	15,46
Electronic components	5,314	5,347	5,389	-0.6	-0.8	+0.4	5,309	5,613	5,467	5,238	+1.4	21,390	20,59
Transportation equipment	33,400	33,543	33,617	-0.4	-0.2	+9.2	34,527	35,891	33,809	31,591	+9.3	130,990	115,43
Motor vehicles and parts	20,586	20,259	19,928	+1.6	+1.7	+8.5	21,881	21,559	20,796	18,767	+16.6	81,252	67,18
Aircraft, missiles, space vehicles, and parts	10,958	11,172	11,774	-1.9	-5.1	+10.1	10,716	12,099	11,143	10,815	-0.9	42,214	40,79
Shipbuilding and tanks	935	1,078	1,019	-13.3	+5.8	+13.1	886	1,102	992	1,082	-18.1	3,709	3,89
Instruments and related products	10,091	9,917	9,867	+1.8	+0.5	+1.7	9,570	10,549	9,472	9,632	-0.6	38,198	37,99
Search and navigation equipment	2,769	2,767	2,874	+0.1	-3.7	+4.8	2,516	2,993	2,634	2,682	-6.2	10,323	10,7
Measuring and controlling devices	2,376	2,433	2,359	-2.3	+3.1	-0.4	2,290	2,612	2,284	2,286	+0.2	9,436	9,10
Medical instruments and supplies	2,617	2,582	2,518	+1.4	+2.5	-0.3	2,549	2,729	2,545	2,439	+4.5	10,219	9,70
Photographic goods	2,031	1,826	1,823	+11.2	+0.2	+3.4	1,909	1,879	1,711	1,946	-1.9	7,019	7,27
All other durable goods	12,906	13,031	12,782	-1.0	+1.9	+1.4	12,989	13,258	12,548	11,854	+9.6	49,902	44,84
Nondurable goods industries	118,438	117,543	116,305	+0.8	+1.1	+1.4	117,286	119,547	114,319	114,498	+2.4	457,861	455,59
With unfilled orders	28,432	28,435	28,220	0.0	+0.8	+0.6	28,440	28,870	28,035	27,950	+1.8	111,500	112,0
Food and kindred products	34,062	33,341	33,172	+2.2	+0.5	+2.1	33,218	34,137	32,738	32,152	+3.3	130,118	128,6
Meat products	7,798	7,671	7,705	+1.7	-0.4	-0.1	7,650	7,728	7,526	7,860	-2.7	30,055	31,4
Dairy products	4,737	4,701	4,599	+0.8	+2.2	+2.7	4,671	4,764	4,488	4,370	+6.9	18,126	17,2
Beverages	4,598	4,870	4,672	-5.6	+4.2	+5.1	4,708	4,823	4,216	4,489	+4.9	17,617	16,5
All other foods, except fats and oils	15,419	14,644	14,643	+5.3	0.0	+2.7	14,679	15,367	14,955	14,016	+4.7	58,196	57,6
Tobacco products	1,951	2,531	2,410	-22.9	+5.0	-4.1	1,686	3,027	1,868	1,817	-7.2	8,180	8,1
Textile mill products	5,732	5,720	5,627	+0.2	+1.7	+0.4	5,616	5,942	5,485	5,026	+11.7	21,900	19,3
Broadwoven fabrics and other textiles	3,483	3,473	3,427	+0.3	+1.3	+0.8	3,399	3,622	3,368	2,978	+14.1	13,379	11,6
Paper and allied products	10,201	10,212	10,206	-0.1	+0.1	+1.2	10,100	10,442	10,286	9,921	+1.8	40,636	40,5
Pulp, paper, and paperboard mill products	4,322	4,334	4,285	-0.3	+1.1	+2.3	4,274	4,433	4,373	4,199	+1.8	17,188	17,6
Paperboard containers and boxes	2,355	2,349	2,357	+0.3	-0.3	+0.7	2,376	2,400	2,350	2,296	+3.5	9,386	9,01
Miscellaneous converted paper products	3,524	3,529	3,564	-0.1	-1.0	+0.1	3,450	3,609	3,563	3,426	+0.7	14,062	13,89
Chemicals and allied products	24,448	24,066	23,980	+1.6	+0.4	+0.1	25,259	25,248	24,122	24,971	+1.2	97,976	97,07
Industrial chemicals	12,639	12,274	12,233	+3.0	+0.3	+1.0	13,006	12,860	12,572	13,211	-1.6	50,052	52,25
Drugs, soaps, and toiletries	9,062	8,970	9,005	+1.0	-0.4	-4.4	8,709	9,239	8,966	8,277	+5.2	36,399	33,62
Petroleum and coal products	13,735	13,247	12,772	+3.7	+3.7	+6.1	13,363	12,184	11,737	13,509	-1.1	48,830	54,54
Rubber and plastics products	8,033	8,079	8,046	-0.6	+0.4	+0.9	8,219	8,309	8,031	7,799	+5.4	31,937	29,73
All other nondurable goods	20,276	20,347	20,092	-0.3	+1.3	+0.1	19,825	20,258	20,052	19,303	+2.7	78,284	77,63

[p] Preliminary. [r] Revised.

[1] Shipments and new orders are the totals for the period and are adjusted for trading-day and calendar-month variations.

Table 2. VALUE OF MANUFACTURERS' NEW ORDERS FOR INDUSTRY GROUPS
(Millions of dollars)

Industry	Seasonally adjusted						Not seasonally adjusted[1]						
	Monthly			Percent Change			Monthly				Percent change	Year to date	
	Apr. 1992[P]	Mar. 1992[r]	Feb. 1992	Mar.-Apr.	Feb.-Mar.	Jan.-Feb.	Apr. 1992[P]	Mar. 1992[r]	Feb. 1992	Apr. 1991	Apr. 92/91	1992[P]	1991
l manufacturing industries	243,850	241,421	236,942	+1.0	+1.9	+0.7	242,619	253,329	234,914	231,020	+5.0	946,484	920,889
ufacturing industries with lled orders	133,100	131,685	128,336	+1.1	+2.6	-0.8	131,440	140,912	127,818	124,492	+5.6	518,113	507,318
able goods industries	125,265	123,623	120,862	+1.3	+2.3	+0.2	125,237	132,979	120,448	116,644	+7.4	487,537	464,541
th unfilled orders	104,521	102,995	100,341	+1.5	+2.6	-1.1	102,904	111,239	99,636	96,664	+6.5	405,527	394,539
e, clay, and glass products	5,011	4,936	4,760	+1.5	+3.7	+0.8	5,119	4,946	4,594	4,920	+4.0	18,699	17,979
ary metals	10,705	10,448	10,955	+2.5	-4.6	+8.5	10,951	11,233	11,250	10,789	+1.5	43,447	41,671
last furnaces, steel mills	4,299	4,390	4,408	-2.1	-0.4	+12.6	4,393	4,525	4,497	4,446	-1.2	17,600	16,454
on and steel foundries	925	924	794	+0.1	+16.4	-10.6	1,003	974	783	854	+17.4	3,614	3,276
onferrous and other primary metals	5,481	5,134	5,753	+6.8	-10.8	+8.6	5,555	5,734	5,970	5,489	+1.2	22,233	21,941
icated metal products	14,632	14,835	15,134	-1.4	-2.0	-2.0	14,859	15,757	15,162	15,162	-2.0	59,792	58,946
strial machinery and equipment	20,893	21,370	20,648	-2.2	+3.5	-1.7	20,392	23,749	19,932	20,003	+1.9	82,516	80,515
gines and turbines	1,393	1,564	1,375	-10.9	+13.7	-7.2	1,215	1,551	1,187	1,375	-11.6	5,156	5,252
onstruction, mining and aterial handling equipment	2,316	2,423	2,474	-4.4	-2.1	+5.1	2,514	2,618	2,501	2,925	-14.1	9,894	10,887
etalworking machinery	1,936	1,988	1,853	-2.6	+7.3	-5.4	1,782	2,265	1,861	1,581	+12.7	7,547	6,532
omputer and office equipment	6,197	6,292	6,086	-1.5	+3.4	-1.0	5,091	7,544	5,289	4,619	+10.2	22,507	21,332
tronic and other ectrical equipment	17,472	17,404	16,996	+0.4	+2.4	-2.1	17,148	18,297	17,326	16,997	+0.9	68,679	66,736
ectrical transmission and istribution equipment and dustrial apparatus	2,362	2,213	2,119	+6.7	+4.4	-13.8	2,372	2,396	2,232	2,307	+2.8	9,296	9,416
ectric lighting and viring equipment	1,398	1,325	1,335	+5.5	-0.7	+2.1	1,318	1,377	1,364	1,201	+9.7	5,206	5,092
ommunications equipment	4,095	4,781	4,113	-14.3	+16.2	-4.3	3,873	5,081	3,945	3,574	+8.4	16,676	14,595
ectronic components	5,267	4,774	5,418	+10.3	-11.9	-2.8	5,674	5,052	5,869	6,257	-9.3	21,950	22,415
sportation equipment	34,034	32,148	30,039	+5.9	+7.0	+1.6	34,804	35,497	30,331	27,914	+24.7	126,529	117,380
ircraft, missiles, space vehicles, and parts	10,872	10,545	8,322	+3.1	+26.7	-13.9	10,166	12,518	7,755	7,682	+32.3	37,876	43,479
hipbuilding and tanks	1,345	397	521	+238.8	-23.8	-19.5	1,359	423	480	691	+96.7	2,726	3,498
uments and related products	9,529	9,699	9,586	-1.8	+1.2	-2.7	8,422	10,058	9,165	8,466	-0.5	36,601	35,641
arch and navigation equipment	2,115	2,910	2,779	-27.3	+4.7	-5.2	1,245	2,843	2,523	1,817	-31.5	9,172	8,614
easuring and controlling devices	2,525	2,281	2,215	+10.7	+3.0	-6.9	2,439	2,460	2,140	2,161	+12.9	9,300	9,211
edical instruments and supplies	2,545	2,356	2,505	+8.0	-5.9	-1.6	2,477	2,503	2,532	2,251	+10.0	9,928	9,465
other durable goods	12,989	12,783	12,744	+1.6	+0.3	+1.8	13,542	13,442	12,688	12,393	+9.3	51,274	45,673
durable goods industries	118,585	117,798	116,080	+0.7	+1.5	+1.3	117,382	120,350	114,466	114,376	+2.6	458,947	456,348
ith unfilled orders	28,579	28,690	27,995	-0.4	+2.5	+0.3	28,536	29,673	28,182	27,828	+2.5	112,586	112,779

[P] Preliminary. [r] Revised.

Shipments and new orders are tha totals for the period and are adjusted for trading-day and calandar-month variations.

[1] When new orders for a prior month are negative because of cancellations, the percentage change calculation is algebraically negative, evan though there is a net dollar increase from the prior month to the current month.

Table 3. VALUE OF MANUFACTURERS' UNFILLED ORDERS FOR INDUSTRY GROUPS
(Millions of dollars)

Industry	Seasonally adjusted						Not seasonally adjusted				
	Monthly			Percent Change			Monthly				Perce chan
	Apr. 1992[p]	Mar. 1992[r]	Feb. 1992	Mar.-Apr.	Feb.-Mar.	Jan.-Feb.	Apr. 1992[p]	Mar. 1992[r]	Feb. 1992	Apr. 1991	Ap 92/9
All manufacturing industries	501,774	502,667	505,428	-0.2	-0.5	-0.9	504,922	505,914	506,983	525,210	-3
Durable goods industries	479,748	480,788	483,804	-0.2	-0.6	-0.9	482,654	483,742	485,614	504,516	-4
Stone, clay, and glass products	6,395	6,302	6,250	+1.5	+0.8	-0.9	6,376	6,293	6,238	5,581	+14
Primary metals	19,800	19,971	20,269	-0.9	-1.5	+0.3	20,518	20,719	20,577	21,069	-2
Blast furnaces, steel mills	6,821	6,990	7,027	-2.4	-0.5	-1.3	7,067	7,245	7,329	7,483	-5
Iron and steel foundries	2,646	2,642	2,644	+0.2	-0.1	-5.1	2,725	2,684	2,642	2,920	-6
Nonferrous and other primary metals	10,333	10,339	10,598	-0.1	-2.4	+2.9	10,726	10,790	10,606	10,666	+0
Fabricated metal products	25,791	26,279	26,495	-1.9	-0.8	-0.4	25,986	26,422	26,542	27,577	-5
Industrial machinery and equipment	51,776	52,291	52,619	-1.0	-0.6	-0.4	51,817	52,254	53,062	55,459	-6
Engines and turbines	8,443	8,595	8,568	-1.8	+0.3	-0.9	8,238	8,474	8,671	7,969	+3
Construction, mining and material handling equipment	6,572	6,764	6,754	-2.8	+0.1	+1.1	6,703	6,852	6,865	7,571	-11
Metalworking machinery	7,476	7,466	7,459	+0.1	+0.1	+0.7	7,476	7,466	7,459	6,937	+7
Computer and office equipment	9,545	9,917	10,093	-3.8	-1.7	-2.5	9,497	9,701	9,906	11,966	-20
Electronic and other electrical equipment	46,717	46,831	47,196	-0.2	-0.8	-0.7	47,326	47,105	47,545	50,522	-6
Electrical transmission and distribution equipment and industrial apparatus	6,439	6,401	6,515	+0.6	-1.7	-2.0	6,474	6,429	6,590	6,817	-5
Electric lighting and wiring equipment	2,335	2,320	2,388	+0.6	-2.8	0.0	2,335	2,320	2,388	2,129	+9
Communications equipment	19,612	19,804	19,469	-1.0	+1.7	-1.1	19,621	19,855	19,564	21,538	-8
Electronic components	14,053	14,100	14,673	-0.3	-3.9	+0.2	14,573	14,208	14,769	15,524	-6
Transportation equipment	267,322	266,688	268,083	+0.2	-0.5	-1.3	268,577	268,300	268,694	279,472	-3
Aircraft, missiles, space vehicles, and parts	233,478	233,564	234,191	0.0	-0.3	-1.5	234,615	235,165	234,746	244,340	-4
Shipbuilding and tanks	24,179	23,769	24,450	+1.7	-2.8	-2.0	24,089	23,616	24,295	26,375	-8
Instruments and related products	54,765	55,327	55,545	-1.0	-0.4	-0.5	54,403	55,551	56,042	57,696	-5
Search and navigation equipment	39,022	39,676	39,533	-1.6	+0.4	-0.2	38,643	39,914	40,064	40,697	-5
Measuring and controlling devices	7,931	7,782	7,934	+1.9	-1.9	-1.8	7,931	7,782	7,934	8,244	-3
Medical instruments and supplies	7,116	7,188	7,414	-1.0	-3.0	-0.2	7,116	7,188	7,414	7,761	-8
All other durable goods	7,182	7,099	7,347	+1.2	-3.4	-0.5	7,651	7,098	6,914	7,140	+7
Nondurable goods industries	22,026	21,879	21,624	+0.7	+1.2	-1.0	22,268	22,172	21,369	20,694	+7

[p] Preliminary. [r] Revised.

Table 4. VALUE OF MANUFACTURERS' INVENTORIES FOR INDUSTRY GROUPS
(Millions of dollars)

Industry	Seasonally adjusted						Not seasonally adjusted				
	Monthly			Percent Change			Monthly				Percent change
	Apr. 1992[p]	Mar. 1992[r]	Feb. 1992	Mar.-Apr.	Feb.-Mar.	Jan.-Feb.	Apr. 1992[p]	Mar. 1992[r]	Feb. 1992	Apr. 1991	Apr. 92/91
All manufacturing industries	371,547	372,762	372,801	-0.3	0.0	-0.3	373,964	373,131	375,181	387,458	-3.5
anufacturing industries with nfilled orders	250,783	251,890	252,695	-0.4	-0.3	-0.6	252,793	252,059	253,386	266,942	-5.3
rable goods industries	235,664	236,898	237,534	-0.5	-0.3	-0.6	237,309	237,306	238,945	251,304	-5.6
Vith unfilled orders	217,586	218,803	219,510	-0.6	-0.3	-0.6	219,207	218,852	220,190	232,596	-5.8
one, clay, and glass products	7,864	7,879	7,924	-0.2	-0.6	+0.2	8,055	8,027	8,130	8,288	-2.8
mary metals	21,019	21,011	20,872	0.0	+0.7	-0.5	21,027	20,877	20,896	23,041	-8.7
Blast furnaces, steel mills	10,195	10,305	10,334	-1.1	-0.3	+0.3	10,083	10,122	10,280	11,085	-9.0
ron and steel foundries	1,410	1,400	1,380	+0.7	+1.4	+2.9	1,455	1,454	1,410	1,488	-2.2
Nonferrous and other primary metals	9,414	9,306	9,158	+1.2	+1.6	-2.0	9,489	9,301	9,206	10,468	-9.4
bricated metal products	22,702	22,724	22,815	-0.1	-0.4	-0.7	23,011	22,992	22,973	24,333	-5.4
lustrial machinery and equipment	43,885	44,133	44,461	-0.6	-0.7	-1.0	44,193	44,010	44,850	48,288	-8.5
Engines and turbines	3,728	3,724	3,813	+0.1	-2.3	+0.1	3,732	3,611	3,680	3,799	-1.8
Farm and garden machinery	2,133	2,164	2,220	-1.4	-2.5	-1.9	2,171	2,280	2,353	2,483	-12.6
Construction, mining and material handling equipment	5,986	6,105	6,095	-1.9	+0.2	-1.6	6,082	6,157	6,218	7,008	-13.2
Metalworking machinery	4,806	4,871	4,854	-1.3	+0.4	-0.6	4,859	4,844	4,843	5,076	-4.3
Computer and office equipment	9,820	9,888	9,888	-0.7	0.0	-2.1	9,820	9,623	9,910	10,821	-9.3
ctronic and other ectrical equipment	28,584	28,595	28,617	0.0	-0.1	0.0	28,907	28,603	28,637	30,072	-3.9
Electrical transmission and distribution equipment and ndustrial apparatus	4,110	4,097	4,119	+0.3	-0.5	+0.5	4,177	4,109	4,141	4,378	-4.6
Household appliances	2,304	2,328	2,340	-1.0	-0.5	+1.0	2,426	2,401	2,408	2,459	-1.3
Electric lighting and wiring equipment	3,169	3,161	3,142	+0.3	+0.6	+0.2	3,220	3,159	3,104	3,398	-5.2
Household audio and video equipment	1,209	1,228	1,204	-1.5	+2.0	+0.2	1,188	1,187	1,184	981	+21.1
Communications equipment	5,636	5,600	5,624	+0.6	-0.4	-2.2	5,649	5,538	5,602	5,890	-4.1
lectronic components	8,569	8,613	8,647	-0.5	-0.4	+0.9	8,578	8,593	8,596	9,252	-7.3
nsportation equipment	68,701	69,734	69,956	-1.5	-0.3	-0.6	68,954	69,889	70,352	73,240	-5.9
Motor vehicles and parts	12,344	12,399	12,297	-0.4	+0.8	-1.0	12,278	12,509	12,753	12,782	-3.9
Aircraft, missiles, space vehicles, and parts	52,155	53,112	53,310	-1.8	-0.4	-0.7	52,495	53,219	53,271	56,547	-7.2
hipbuilding and tanks	2,145	2,150	2,282	-0.2	-5.8	+1.1	2,159	2,082	2,196	1,897	+13.8
nruments and related products	22,540	22,668	22,825	-0.6	-0.7	-0.8	22,782	22,664	22,805	24,023	-5.2
earch and navigation equipment	7,764	7,915	7,940	-1.9	-0.3	-2.7	7,846	7,881	7,957	8,971	-12.5
Measuring and controlling devices	5,953	5,933	6,062	+0.3	-2.1	+0.9	5,965	5,929	6,033	6,272	-4.9
Medical instruments and supplies	5,498	5,455	5,525	+0.8	-1.3	-0.4	5,597	5,512	5,563	5,380	+4.0
hotographic goods	2,742	2,779	2,717	-1.3	+2.3	0.0	2,780	2,749	2,675	2,756	+0.9
other durable goods	20,369	20,154	20,064	+1.1	+0.4	0.0	20,380	20,244	20,302	20,019	+1.8
durable goods industries	135,883	135,864	135,267	0.0	+0.4	+0.1	136,655	135,825	136,236	136,154	+0.4
Vith unfilled orders	33,197	33,087	33,185	+0.3	-0.3	-0.7	33,586	33,207	33,196	34,346	-2.2
od and kindred products	28,509	29,055	28,795	-1.9	+0.9	+0.4	27,832	28,487	28,995	27,681	+0.5
eat products	2,790	2,879	2,874	-3.1	+0.2	+0.1	2,885	2,934	2,929	3,124	-7.7
airy products	2,659	2,596	2,537	+2.4	+2.3	+2.1	2,707	2,585	2,521	2,519	+7.5
everages	4,897	4,897	4,808	0.0	+1.9	-2.4	4,980	4,972	4,905	4,779	+4.2
ll other foods, except fats and oils	16,685	17,179	17,108	-2.9	+0.4	+1.1	15,717	16,424	17,088	15,693	+0.2
acco products	6,074	5,957	5,972	+2.0	-0.3	+0.7	6,214	6,037	6,398	5,949	+4.5
ile mill products	8,795	8,800	8,801	-0.1	0.0	+0.5	8,989	8,845	8,893	8,830	+1.8
oadwoven fabrics and other textiles	4,981	5,021	5,030	-0.8	-0.2	-0.2	5,086	5,057	5,104	5,230	-2.8
r and allied products	13,684	13,589	13,562	+0.7	+0.2	0.0	13,883	13,746	13,740	13,858	+0.2
lp, paper, and paperboard mill products	5,916	5,840	5,852	+1.3	-0.2	+0.4	6,028	5,928	5,993	5,707	+5.6
perboard containers and boxes	3,185	3,187	3,199	-0.1	-0.4	-1.1	3,226	3,211	3,189	3,234	-0.2
Miscellaneous converted paper products	4,583	4,562	4,511	+0.5	+1.1	+0.2	4,629	4,607	4,558	4,917	-5.9
hnicals and allied products	32,815	32,771	32,861	+0.1	-0.3	+0.8	33,233	33,167	33,276	33,114	+0.4
Industrial chemicals	16,187	16,317	16,413	-0.8	-0.6	0.0	16,333	16,521	16,649	16,939	-3.6
rugs, soaps, and toiletries	11,992	11,833	11,747	+1.3	+0.7	+2.4	12,100	11,672	11,586	11,266	+7.4
troleum and coal products	10,920	10,882	10,540	+0.3	+3.2	-1.0	10,919	10,746	10,456	11,584	-5.7
ber and plastics products	11,047	11,000	11,092	+0.4	-0.8	-1.2	11,288	11,160	11,260	12,017	-6.1
ll other nondurable goods	24,039	23,810	23,644	+1.0	+0.7	-0.2	24,297	23,637	23,218	23,121	+5.1

[p] Preliminary. [r] Revised.

Table 5. VALUE OF MANUFACTURERS' SHIPMENTS AND NEW ORDERS FOR TOPICAL SERIES[1]
(Millions of dollars)

Industry	Seasonally adjusted						Not seasonally adjusted [2]						
	Monthly			Percent Change			Monthly				Percent change	Year to date	
	Apr. 1992[p]	Mar. 1992[r]	Feb. 1992	Mar.-Apr.	Feb.-Mar.	Jan.-Feb.	Apr. 1992[p]	Mar. 1992[r]	Feb. 1992	Apr. 1991	Apr. 92/91	1992[p]	1991
SHIPMENTS													
All manufacturing industries	244,743	244,182	241,683	+0.2	+1.0	+2.2	243,611	254,398	237,884	235,069	+3.6	949,489	919,751
Market categories :													
Automotive equipment	9,086	8,943	8,837	+1.6	+1.2	+9.0	9,747	9,559	9,157	8,467	+15.1	35,866	29,855
Home goods and apparel	16,006	16,020	15,695	-0.1	+2.1	+0.7	15,168	16,457	15,785	13,781	+10.1	60,751	54,481
Consumer staples	56,104	55,741	55,199	+0.7	+1.0	+0.8	54,597	56,649	53,602	53,520	+2.0	215,710	216,104
Machinery and equipment	40,244	40,904	39,930	-1.6	+2.4	+3.2	39,762	44,925	38,793	38,347	+3.7	156,386	148,408
Business supplies	18,996	18,868	18,594	+0.7	+1.5	+1.8	19,386	19,078	18,271	19,682	-1.5	73,953	77,373
Construction materials and supplies	14,436	14,393	14,251	+0.3	+1.0	+3.2	14,483	14,531	13,504	13,286	+9.0	54,496	49,752
Defense products	8,565	8,631	8,948	-0.8	-3.5	+5.1	8,210	8,985	8,513	8,434	-2.7	32,624	32,487
Other materials, supplies and and intermediate products	81,306	80,682	80,229	+0.8	+0.6	+2.0	82,258	84,214	80,259	79,552	+3.4	319,703	311,291
Durable goods industries :													
Nondefense capital goods [3]	32,793	33,882	32,800	-3.2	+3.3	+2.8	31,602	37,836	31,417	30,789	+2.6	127,282	122,93[illegible]
Excluding aircraft and parts	26,617	27,095	25,988	-1.8	+4.3	-0.4	25,458	30,214	24,925	24,671	+3.2	102,521	99,81[illegible]
Defense capital goods [4]	8,499	8,389	8,885	+1.3	-5.6	+5.8	8,012	8,713	8,302	8,314	-3.6	31,685	31,93[illegible]
Durables excluding capital goods	85,013	84,368	83,693	+0.8	+0.8	+2.9	86,711	88,302	83,846	81,468	+6.4	332,661	309,28[illegible]
Miscellaneous series :													
Producers' durable equipment	80,917	81,247	79,607	-0.4	+2.1	+2.6	80,991	87,919	79,143	76,363	+6.1	316,191	294,38[illegible]
Household durable goods	7,016	6,957	6,794	+0.8	+2.4	+0.6	6,803	7,435	6,779	6,325	+7.6	26,726	24,73[illegible]
Information technology industries	15,408	15,266	14,974	+0.9	+2.0	-1.7	13,728	17,188	13,702	12,930	+6.2	57,117	53,74[illegible]
Health care equipment and products	7,526	7,443	7,396	+1.1	+0.6	-3.0	7,273	7,734	7,404	6,930	+4.9	29,935	27,99[illegible]
NEW ORDERS													
All manufacturing industries	243,850	241,421	236,942	+1.0	+1.9	+0.7	242,619	253,329	234,914	231,020	+5.0	946,484	920,88[illegible]
Market categories :													
Automotive equipment	9,147	8,901	8,850	+2.8	+0.6	+8.9	9,822	9,514	9,194	8,475	+15.9	35,975	29,92[illegible]
Home goods and apparel	16,192	15,657	15,545	+3.4	+0.7	+1.3	15,610	16,516	16,166	14,133	+10.5	62,249	55,94[illegible]
Consumer staples	56,119	55,725	55,186	+0.7	+1.0	+0.7	54,610	56,614	53,558	53,463	+2.1	215,672	216,02[illegible]
Machinery and equipment	39,237	40,849	38,561	-3.9	+5.9	+1.1	39,004	44,666	37,573	35,814	+8.9	154,301	149,62[illegible]
Business supplies	18,907	18,981	18,488	-0.4	+2.7	+1.7	19,302	19,200	18,181	19,596	-1.5	73,860	77,26[illegible]
Construction materials and supplies	14,380	14,345	14,125	+0.2	+1.6	+1.0	14,487	14,614	13,424	13,425	+7.9	54,684	50,05[illegible]
Defense products	8,477	7,305	6,540	+16.0	+11.7	-18.0	6,819	8,208	6,106	6,321	+7.9	27,860	28,67[illegible]
Other materials, supplies and and intermediate products	81,391	79,658	79,647	+2.2	0.0	+1.3	82,965	83,997	80,712	79,793	+4.0	321,883	313,37[illegible]
Durable goods industries :													
Nondefense capital goods [3]	31,730	34,113	31,186	-7.0	+9.4	-1.4	30,680	37,574	29,941	27,882	+10.0	125,151	124,71[illegible]
Excluding aircraft and parts	26,006	26,774	25,955	-2.9	+3.2	-2.0	24,988	29,400	25,030	23,809	+5.0	102,550	97,70[illegible]
Defense capital goods [4]	8,402	6,980	6,390	+20.4	+9.2	-18.2	6,792	8,013	5,897	6,198	+9.6	27,292	28,34[illegible]
Durables excluding capital goods	85,133	82,530	83,286	+3.2	-0.9	+2.7	87,765	87,392	84,610	82,564	+6.3	335,094	311,47[illegible]
Miscellaneous series :													
Producers' durable equipment	80,164	79,739	77,534	+0.5	+2.8	+0.6	80,937	86,419	77,549	74,529	+8.6	314,310	296,24[illegible]
Household durable goods	7,181	6,677	6,753	+7.5	-1.1	+3.2	7,264	7,457	7,011	6,623	+9.7	27,975	25,73[illegible]
Information technology industries	14,969	15,048	14,732	-0.5	+2.1	-1.6	13,452	16,952	13,566	12,448	+8.1	56,317	53,36[illegible]
Health care equipment and products	7,454	7,217	7,383	+3.3	-2.2	-3.4	7,201	7,509	7,391	6,744	+6.8	29,645	27,68[illegible]

[p] Preliminary. [r] Revised.

[1] Topical series are regroupings of the separate industry categories.

[2] Shipments and new orders are the totals for the period and are adjusted for trading-day and calendar-month variations.

[3] Nondefense capital goods industries include : ordnance and accessories; steam, gas and hydraulic turbines; internal combustion engines; construction, mining, and material handling equipmen metalworking machinery; special industry machinery; general industrial machinery; computer and office equipment; refrigeration, heating and service industry machinery; electrical transmission a distribution equipment; electrical industrial apparatus; communications equipment; aircraft, missiles, space vehicles, and engines and parts; ships and tank components; railroad equipment; and sear and navigation equipment.

[4] Defense capital goods industries include : ordnance and accessories; communications equipment; aircraft, missiles, space vehicles, and engines and parts; ships, tanks and tank components; a search and navigation equipment.

Table 6. VALUE OF MANUFACTURERS' UNFILLED ORDERS AND TOTAL INVENTORIES FOR TOPICAL SERIES[1]
(Millions of dollars)

Industry	Seasonally adjusted						Not seasonally adjusted				
	Monthly			Percent Change			Monthly				Percent change
	Apr. 1992[p]	Mar. 1992[r]	Feb. 1992	Mar.-Apr.	Feb.-Mar.	Jan.-Feb.	Apr. 1992[p]	Mar. 1992[r]	Feb. 1992	Apr. 1991	Apr. 92/91
UNFILLED ORDERS											
All manufacturing industries	501,774	502,667	505,428	-0.2	-0.5	-0.9	504,922	505,914	506,983	525,210	-3.9
Market categories :											
Automotive equipment	2,108	2,047	2,089	+3.0	-2.0	+0.6	2,159	2,084	2,128	1,908	+13.2
Home goods and apparel	8,585	8,400	8,762	+2.2	-4.1	-1.7	9,110	8,668	8,609	8,460	+7.7
Consumer staples	1,300	1,286	1,301	+1.1	-1.2	-1.1	1,273	1,260	1,294	1,242	+2.5
Machinery and equipment	215,578	216,585	216,639	-0.5	0.0	-0.6	215,773	216,530	216,790	229,542	-6.0
Business supplies	5,652	5,740	5,628	-1.5	+2.0	-1.8	5,629	5,712	5,590	5,773	-2.5
Construction materials and supplies	13,019	13,074	13,122	-0.4	-0.4	-1.0	13,164	13,160	13,077	12,708	+3.6
Defense products	131,984	132,072	133,399	-0.1	-1.0	-1.8	132,544	133,935	134,712	139,870	-5.2
Other materials, supplies and and intermediate products	123,548	123,463	124,488	+0.1	-0.8	-0.5	125,270	124,565	124,783	125,707	-0.3
Durable goods industries :											
Nondefense capital goods [3]	239,336	240,399	240,168	-0.4	+0.1	-0.7	239,406	240,328	240,590	251,625	-4.9
Excluding aircraft and parts	79,053	79,664	79,985	-0.8	-0.4	0.0	79,123	79,593	80,407	85,254	-7.2
Defense capital goods [4]	140,404	140,501	141,910	-0.1	-1.0	-1.7	141,171	142,391	143,091	149,191	-5.4
Durables excluding capital goods	100,008	99,888	101,726	+0.1	-1.8	-0.4	102,077	101,023	101,933	103,700	-1.6
Miscellaneous series :											
Producers' durable equipment	238,168	238,921	240,429	-0.3	-0.6	-0.9	239,096	239,150	240,650	257,306	-7.1
Household durable goods	5,129	4,964	5,244	+3.3	-5.3	-0.8	5,577	5,116	5,094	5,095	+9.5
Information technology industries	37,560	37,999	38,217	-1.2	-0.6	-0.6	37,507	37,783	38,019	41,896	-10.5
Health care equipment and products	7,144	7,216	7,442	-1.0	-3.0	-0.2	7,144	7,215	7,440	7,789	-8.3
TOTAL INVENTORIES											
All manufacturing industries	371,547	372,762	372,801	-0.3	0.0	-0.3	373,964	373,131	375,181	387,458	-3.5
Market categories :											
Automotive equipment	6,257	6,345	6,306	-1.4	+0.6	-1.5	6,245	6,413	6,575	6,447	-3.1
Home goods and apparel	27,812	27,591	27,383	+0.8	+0.8	+0.7	28,251	27,500	27,294	25,878	+9.2
Consumer staples	55,184	55,324	54,899	-0.3	+0.8	+0.4	54,832	54,666	55,239	54,422	+0.8
Machinery and equipment	83,337	83,838	84,676	-0.6	-1.0	-1.1	84,268	83,871	85,369	88,715	-5.0
Business supplies	21,157	21,155	21,140	0.0	+0.1	-0.7	21,306	21,284	21,155	22,352	-4.7
Construction materials and supplies	23,033	22,949	22,759	+0.4	+0.8	+0.5	23,310	23,175	23,064	23,640	-1.4
Defense products	31,427	32,004	32,028	-1.8	-0.1	-1.0	31,485	32,033	31,729	35,183	-10.5
Other materials, supplies and and intermediate products	123,340	123,556	123,610	-0.2	0.0	-0.2	124,267	124,189	124,756	130,821	-5.0
Durable goods industries :											
Nondefense capital goods [3]	79,159	79,646	80,437	-0.6	-1.0	-1.1	79,935	79,370	80,890	84,870	-5.8
Excluding aircraft and parts	52,039	52,210	52,622	-0.3	-0.8	-0.8	52,494	51,851	52,755	56,460	-7.0
Defense capital goods [4]	33,345	34,130	34,074	-2.3	+0.2	-0.8	33,427	34,153	33,726	37,735	-11.4
Durables excluding capital goods	123,160	123,122	123,023	0.0	+0.1	-0.2	123,947	123,783	124,329	128,699	-3.7
Miscellaneous series :											
Producers' durable equipment	135,593	136,062	136,937	-0.3	-0.6	-0.7	136,903	136,445	138,199	142,822	-4.1
Household durable goods	12,504	12,490	12,497	+0.1	-0.1	-0.2	12,661	12,492	12,549	12,403	+2.1
Information technology industries	25,923	25,991	26,117	-0.3	-0.5	-1.1	26,015	25,603	26,039	27,713	-6.1
Health care equipment and products	12,019	11,892	11,916	+1.1	-0.2	+1.0	12,178	11,864	11,869	11,524	+5.7

See footnotes at end of table 5.

Table 7. VALUE OF MANUFACTURERS' INVENTORIES, BY STAGE OF FABRICATION, BY INDUSTRY GROUP
(Millions of dollars)

Industry	Seasonally adjusted						Not seasonally adjusted				
	Monthly			Percent Change			Monthly				Percent change
	Apr. 1992[p]	Mar. 1992[r]	Feb. 1992	Mar.-Apr.	Feb.-Mar.	Jan.-Feb.	Apr. 1992[p]	Mar. 1992[r]	Feb. 1992	Apr. 1991	Apr. 92/91
MATERIALS AND SUPPLIES											
All manufacturing industries	114,610	114,428	114,731	+0.2	-0.3	-0.5	114,341	114,429	115,607	118,487	-3.5
Durable goods industries	64,866	64,841	65,311	0.0	-0.7	-0.8	64,456	64,558	65,690	68,807	-6.3
Stone, clay, and glass products	2,384	2,407	2,430	-1.0	-0.9	-1.2	2,374	2,393	2,449	2,487	-4.5
Primary metals	6,612	6,583	6,495	+0.4	+1.4	-1.4	6,392	6,328	6,463	6,945	-8.0
Fabricated metal products	7,606	7,607	7,670	0.0	-0.8	-2.0	7,584	7,678	7,691	8,317	-8.8
Industrial machinery and equipment	11,757	11,884	12,095	-1.1	-1.7	-0.2	11,740	11,805	12,167	13,145	-10.7
Electronic and other electrical equipment	8,551	8,506	8,556	+0.5	-0.6	-0.6	8,591	8,514	8,582	9,111	-5.7
Transportation equipment	13,635	13,689	13,808	-0.4	-0.9	-0.7	13,656	13,746	13,943	14,732	-7.3
Instruments and related products	5,922	5,844	5,917	+1.3	-1.2	-0.5	5,939	5,866	5,973	5,732	+3.6
Lumber, furniture and miscellaneous durable goods	8,399	8,321	8,340	+0.9	-0.2	-0.4	8,180	8,228	8,422	8,338	-1.9
Nondurable goods industries	49,744	49,587	49,420	+0.3	+0.3	0.0	49,885	49,871	49,917	49,680	+0.4
Food and kindred products	9,939	9,900	9,811	+0.4	+0.9	+2.3	9,938	9,937	9,918	9,523	+4.4
Tobacco products	4,590	4,593	4,605	-0.1	-0.3	+1.9	4,597	4,710	4,831	4,304	+6.8
Textile mill products	2,561	2,558	2,548	+0.1	+0.4	+0.6	2,616	2,577	2,581	2,429	+7.7
Paper and allied products	7,163	7,147	7,114	+0.2	+0.5	-0.2	7,168	7,172	7,174	7,142	+0.4
Chemicals and allied products	10,922	10,891	10,831	+0.3	+0.6	-0.6	10,916	10,912	10,909	11,023	-1.0
Petroleum and coal products	2,941	2,893	2,842	+1.7	+1.8	-3.1	3,008	2,896	2,822	3,292	-8.6
Rubber and plastics products	4,015	3,983	3,978	+0.8	+0.1	-0.8	4,012	3,980	3,983	4,212	-4.7
Apparel, printing and publishing and leather goods	7,613	7,622	7,691	-0.1	-0.9	-1.6	7,630	7,687	7,699	7,755	-1.6
WORK IN PROCESS											
All manufacturing industries	133,715	134,831	135,313	-0.8	-0.4	-0.5	134,779	134,904	135,155	141,583	-4.8
Durable goods industries	110,775	112,088	112,590	-1.2	-0.4	-0.7	111,624	112,280	112,509	119,042	-6.2
Stone, clay, and glass products	1,031	1,031	1,027	0.0	+0.4	+0.9	1,079	1,081	1,066	1,120	-3.7
Primary metals	8,251	8,241	8,267	+0.1	-0.3	+0.1	8,364	8,292	8,243	9,446	-11.5
Fabricated metal products	7,670	7,748	7,881	-1.0	-1.7	+0.1	7,778	7,766	7,934	8,125	-4.3
Industrial machinery and equipment	20,155	20,265	20,185	-0.5	+0.4	-1.7	20,306	20,253	20,064	21,316	-4.7
Electronic and other electrical equipment	11,771	11,831	11,912	-0.5	-0.7	-0.1	11,908	11,807	11,889	12,463	-4.5
Transportation equipment	46,095	47,020	47,298	-2.0	-0.6	-0.7	46,304	47,170	47,287	49,300	-6.1
Instruments and related products	11,324	11,555	11,679	-2.0	-1.1	-1.4	11,391	11,494	11,616	12,954	-12.1
Lumber, furniture and miscellaneous durable goods	4,478	4,397	4,341	+1.8	+1.3	+0.4	4,494	4,417	4,410	4,318	+4.1
Nondurable goods industries	22,940	22,743	22,723	+0.9	+0.1	+0.5	23,155	22,624	22,646	22,541	+2.7
Food and kindred products	3,299	3,300	3,437	0.0	-4.0	-0.7	3,266	3,319	3,471	3,332	-2.0
Tobacco products	148	182	171	-18.7	+6.4	-0.6	120	166	175	122	-1.6
Textile mill products	2,455	2,446	2,480	+0.4	-1.4	+1.8	2,478	2,462	2,487	2,488	-0.4
Paper and allied products	1,174	1,189	1,210	-1.3	-1.7	-2.3	1,183	1,202	1,199	1,330	-11.1
Chemicals and allied products	5,580	5,485	5,470	+1.7	+0.3	+0.4	5,705	5,370	5,455	5,361	+6.4
Petroleum and coal products	2,867	2,891	2,778	-0.8	+4.1	+4.2	2,867	2,839	2,694	2,785	+2.9
Rubber and plastics products	1,510	1,475	1,507	+2.4	-2.1	-0.3	1,504	1,459	1,524	1,637	-8.1
Apparel, printing and publishing and leather goods	5,907	5,775	5,670	+2.3	+1.9	+0.1	6,032	5,807	5,641	5,486	+10.0
FINISHED GOODS											
All manufacturing industries	123,222	123,503	122,757	-0.2	+0.6	0.0	124,844	123,798	124,419	127,388	-2.0
Durable goods industries	60,023	59,969	59,633	+0.1	+0.6	0.0	61,229	60,468	60,746	63,455	-3.5
Stone, clay, and glass products	4,449	4,441	4,467	+0.2	-0.6	+0.7	4,602	4,553	4,615	4,681	-1.7
Primary metals	6,156	6,187	6,110	-0.5	+1.3	-0.6	6,271	6,257	6,190	6,650	-5.7
Fabricated metal products	7,426	7,369	7,264	+0.8	+1.4	-0.1	7,649	7,548	7,348	7,891	-3.1
Industrial machinery and equipment	11,973	11,984	12,181	-0.1	-1.6	-0.6	12,147	11,952	12,619	13,827	-12.2
Electronic and other electrical equipment	8,262	8,258	8,149	0.0	+1.3	+0.8	8,408	8,282	8,166	8,498	-1.1
Transportation equipment	8,971	9,025	8,850	-0.6	+2.0	-0.4	8,994	8,973	9,122	9,208	-2.3
Instruments and related products	5,294	5,269	5,229	+0.5	+0.8	+0.2	5,452	5,304	5,216	5,337	+2.2
Lumber, furniture and miscellaneous durable goods	7,492	7,436	7,383	+0.8	+0.7	+0.4	7,706	7,599	7,470	7,363	+4.7
Nondurable goods industries	63,199	63,534	63,124	-0.5	+0.6	+0.1	63,615	63,330	63,673	63,933	-0.5
Food and kindred products	15,271	15,855	15,547	-3.7	+2.0	-0.5	14,628	15,231	15,606	14,826	-1.3
Tobacco products	1,336	1,182	1,196	+13.0	-1.2	-3.5	1,497	1,161	1,392	1,523	-1.7
Textile mill products	3,779	3,796	3,773	-0.4	+0.6	-0.4	3,895	3,806	3,825	3,913	-0.5
Paper and allied products	5,347	5,253	5,238	+1.8	+0.3	+0.8	5,532	5,372	5,367	5,386	+2.7
Chemicals and allied products	16,313	16,395	16,560	-0.5	-1.0	+1.8	16,612	16,885	16,912	16,730	-0.7
Petroleum and coal products	5,112	5,098	4,920	+0.3	+3.6	-2.5	5,044	5,011	4,940	5,507	-8.4
Rubber and plastics products	5,522	5,542	5,607	-0.4	-1.2	-1.8	5,772	5,721	5,753	6,168	-6.4
Apparel, printing and publishing and leather goods	10,519	10,413	10,283	+1.0	+1.3	+0.7	10,635	10,143	9,878	9,880	+7.6

[p] Prelimary. [r] Revised.

Table 8. RATIOS OF MANUFACTURES' INVENTORIES TO SHIPMENTS AND UNFILLED ORDERS TO SHIPMENTS, BY INDUSTRY GROUP
(Based on seasonally adjusted data)

Industry	Inventory / Shipments ratio				Unfilled Orders / Shipments ratio[1]			
	Apr. 1992[p]	Mar. 1992[r]	Feb. 1992	Jan. 1992	Apr. 1992[p]	Mar. 1992[r]	Feb. 1992	Jan. 1992
All manufacturing industries	1.52	1.53	1.54	1.58	3.74	3.74	3.80	3.91
Durable goods industries	1.87	1.87	1.89	1.96	4.54	4.54	4.61	4.77
Stone, clay, and glass products	1.60	1.61	1.65	1.68	1.43	1.43	1.43	1.48
Primary metals	1.93	1.96	1.92	1.96	1.82	1.86	1.86	1.89
Fabricated metal products	1.50	1.51	1.50	1.52	1.87	1.91	1.90	1.91
Industrial machinery and equipment	2.05	2.03	2.13	2.15	2.57	2.57	2.70	2.71
Electronic and other electrical equipment	1.63	1.61	1.65	1.67	2.66	2.64	2.72	2.78
Transportation equipment	2.06	2.08	2.08	2.29	12.00	11.77	11.78	12.95
Instruments and related products	2.23	2.29	2.31	2.37	5.43	5.58	5.63	5.75
Nondurable goods industries	1.15	1.16	1.16	1.18	0.77	0.77	0.77	0.78
Food and kindred products	0.84	0.87	0.87	0.88	(X)	(X)	(X)	(X)
Tobacco products	3.11	2.35	2.48	2.36	(X)	(X)	(X)	(X)
Textile mill products	1.53	1.54	1.56	1.56	(NA)	(NA)	(NA)	(NA)
Paper and allied products	1.34	1.33	1.33	1.34	(NA)	(NA)	(NA)	(NA)
Chemicals and allied products	1.34	1.36	1.37	1.36	(X)	(X)	(X)	(X)
Petroleum and coal products	0.80	0.82	0.83	0.88	(X)	(X)	(X)	(X)
Rubber and plastics products	1.38	1.36	1.38	1.41	(X)	(X)	(X)	(X)

[p] Preliminary. [r] Revised. (X) Not applicable. (NA) Not available.

[1] Excludes the following industries with no unfilled orders : Wood and lumber products; glass containers; metal cans, barrels and drums; farm and garden machinery; motor vehicle assembly operations; other transportation equipment; foods and related products; tobacco; knitting mill products; apparel and related products; chemicals; petroleum and coal products; and rubber and plastics products.

Table 9. AVERAGE REVISIONS TO PREVIOUSLY PUBLISHED MONTHLY PERCENT CHANGES
(Based on seasonally adjusted data)

Industry	Shipments			New orders			Unfilled orders			Inventories		
	Apr. 1991	Apr.[1] 1987-1991	Apr. 1991-Mar. 1992	Apr. 1991	Apr.[1] 1987-1991	Apr. 1991-Mar. 1992	Apr. 1991	Apr.[1] 1987-1991	Apr. 1991-Mar. 1992	Apr. 1991	Apr.[1] 1987-1991	Apr. 1991-Mar. 1992
All manufacturing industries	0.1	0.2	0.1	0.1	0.2	0.1	0.0	0.0	0.1	0.0	0.0	0.1
Durable goods industries	0.1	0.2	0.1	0.0	0.3	0.2	0.0	0.1	0.1	0.1	0.4	0.1
Stone, clay, and glass products	0.7	0.8	0.7	0.9	0.7	1.0	0.3	0.5	0.4	0.2	0.2	0.2
Primary metals	0.1	0.2	0.3	0.2	0.8	0.6	0.0	0.4	0.3	0.0	0.1	0.1
Fabricated metal products	0.5	0.6	0.3	0.6	0.8	0.4	0.1	0.2	0.2	0.0	0.1	0.1
Industrial machinery and equipment	0.2	0.8	0.2	0.4	1.6	0.4	0.2	0.3	0.1	0.1	0.1	0.1
Electronic and other electrical equipment	0.2	0.3	0.2	0.1	0.3	0.9	0.1	0.1	0.3	0.0	0.1	0.1
Transportation equipment	0.0	0.2	0.2	0.1	0.6	0.3	0.0	0.0	0.0	0.0	0.0	0.3
Instruments and related products	0.1	0.3	0.2	0.1	0.2	0.7	0.0	0.2	0.1	0.0	0.1	0.0
Nondurable goods industries	0.2	0.1	0.1	0.3	0.2	0.1	0.1	0.5	0.3	0.0	0.1	0.1
Food and kindred products	0.1	0.3	0.2	(X)	(X)	(X)	(X)	(X)	(X)	0.4	0.3	0.1
Tobacco products	0.0	0.1	0.2	(X)	(X)	(X)	(X)	(X)	(X)	0.0	0.3	0.0
Textile mill products	0.7	1.1	0.3	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	0.0	0.4	0.2
Paper and allied products	0.0	0.4	0.3	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	0.0	0.2	0.2
Chemicals and allied products	0.2	0.5	0.2	(X)	(X)	(X)	(X)	(X)	(X)	0.2	0.2	0.1
Petroleum and coal products	0.4	0.8	0.2	(X)	(X)	(X)	(X)	(X)	(X)	0.2	0.2	0.1
Rubber and plastics products	1.1	0.7	0.4	(X)	(X)	(X)	(X)	(X)	(X)	0.2	0.2	0.2
Capital goods industries :												
Nondefense	0.1	0.6	0.1	0.3	1.1	0.4	0.0	0.1	0.1	0.0	0.0	0.3
Defense	0.0	0.3	0.4	0.3	1.2	1.0	0.0	0.0	0.0	0.0	0.0	0.1

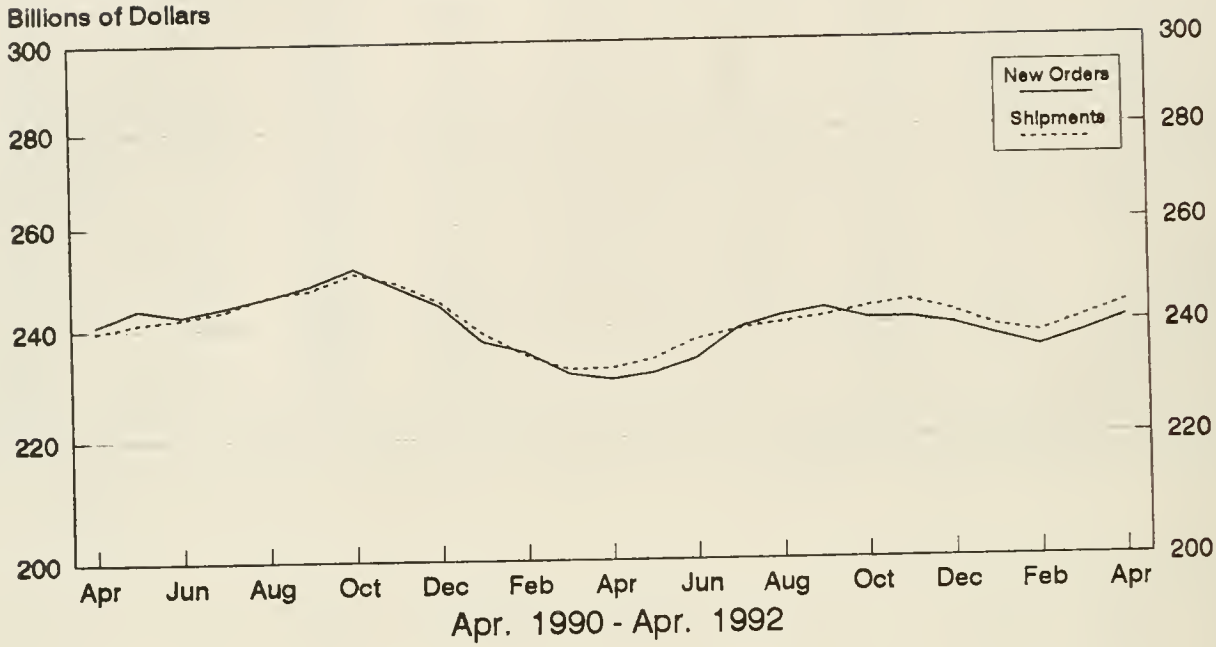
(X) Not applicable. (NA) Not available.

Note : The revisions are the differences between the month-to-month percent changes of the preliminary and final estimates. The monthly averages are the simple averages of the absolute values of the differences for the months specified. The advance to final percent change revisions for the durable goods industries are shown in the advance report for the month.

[1] Average for this month for the last five years.

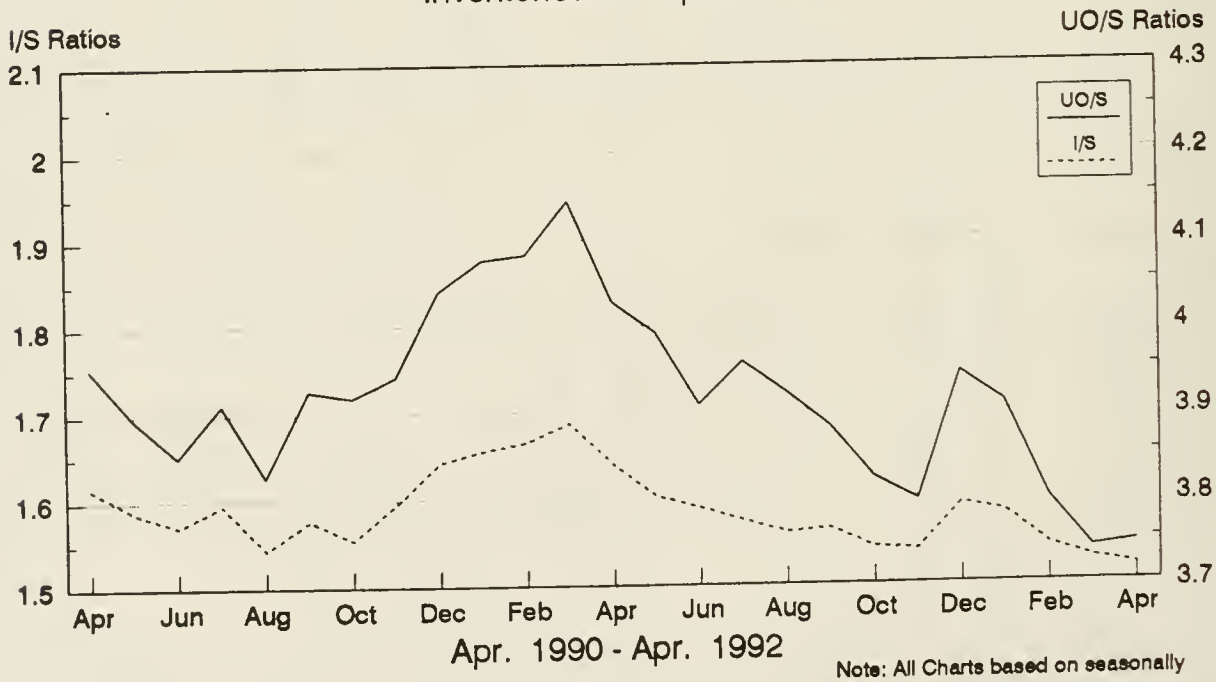
Total Manufacturing

New Orders and Shipments
Three Month Moving Averages



Total Manufacturing

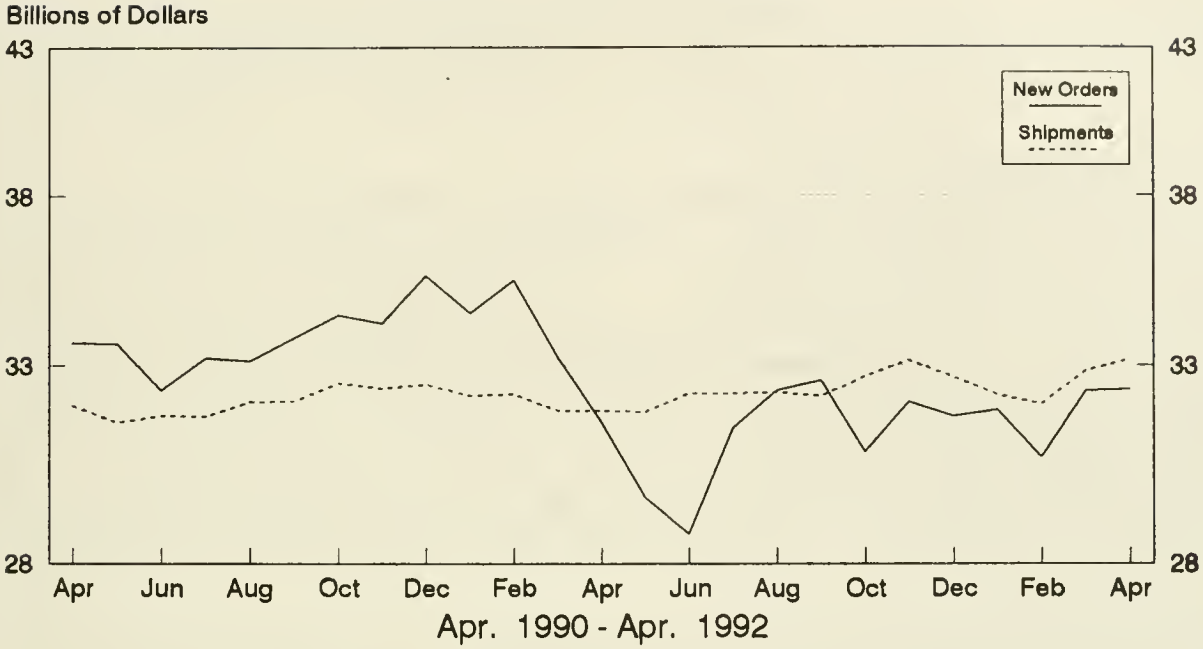
Ratio of Unfilled Orders and
Inventories to Shipments



Note: All Charts based on seasonally adjusted current dollars.

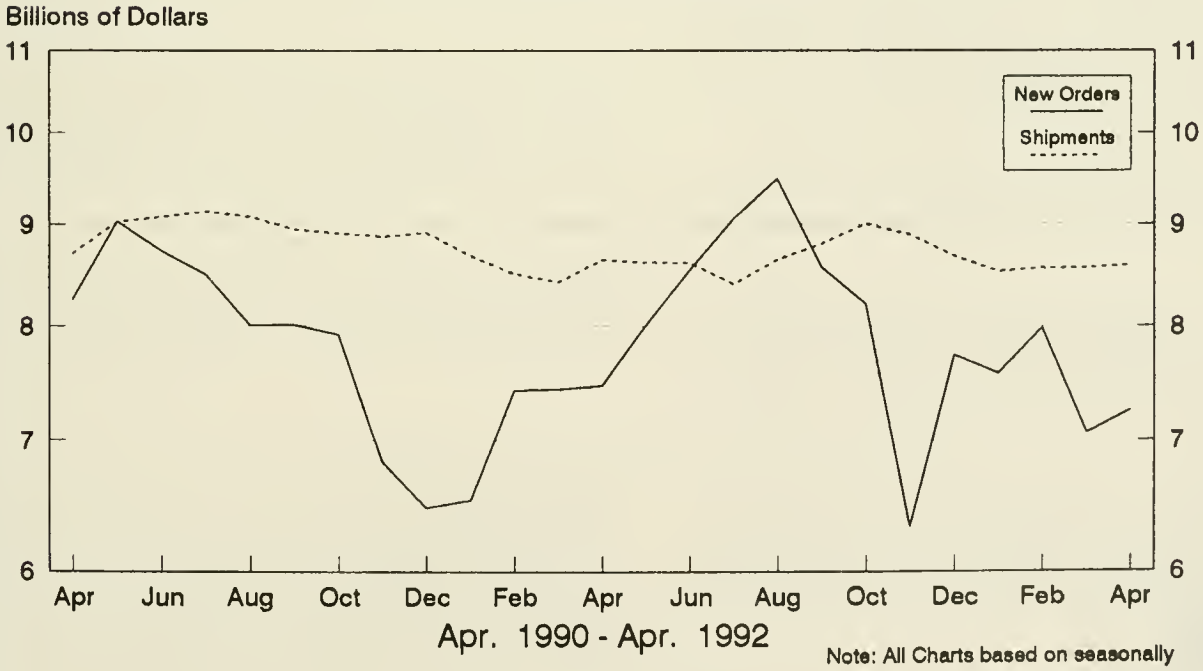
NonDefense Capital Goods

New Orders and Shipments
Three Month Moving Averages



Defense Capital Goods

New Orders and Shipments
Three Month Moving Averages



Note: All Charts based on seasonally adjusted current dollars.

U.S. Department of Commerce
BUREAU OF THE CENSUS
Washington, D.C. 20233

Official Business
Penalty for Private Use, $300

U.S.MAIL

POSTAGE AND FEES PAID
U S DEPARTMENT OF COMMERCE
COM-:2

First Class Mail

NOTICE

Revised historical data for Manufacturers' Shipments, Inventories, and Orders will be issued in mid-June. The primary purpose of the revision is to benchmark the data to the 1989 and 1990 Annual Survey of Manufactures. Less significant revisions will reflect the addition of data received too late to include in the monthly press releases, corrections for misclassified reports, and updating the trading day adjustment methodology. Revisions related to benchmarking affect all industry categories.

Any questions regarding this announcement can be answered by calling Steve Andrews on (301) 763-2502.

C. 158: M 3-1-(92)-5

ent Industrial Reports, Manufac...

DEPOSITORY

SEP 8 1992

BOSTON PUBLIC LIBRARY
GOVERNMENT DOCUMENTS DEPARTMENT

Manufacturers' Shipments, Inventories, and Orders

May 1992

M3-1-(92)-5

For Wire Transmissions 10:00 a.m. E.D.T. Thursday, July 2, 1992

U. S. Department of Commerce
BUREAU OF THE CENSUS

Steve Andrews or Kathy Menth
(301)763-2502 or (301)763-2575

Note: All figures in text are in seasonally adjusted current dollars

Summary

New orders for manufactured goods in May decreased $2.0 billion or 0.8 percent to $238.7 billion, the Department of Commerce, Bureau of the Census reported today. The May decrease follows four consecutive monthly increases. Excluding defense, new orders were up $0.2 billion.

Shipments were down $0.4 billion or 0.2 percent to $241.4 billion. This decrease follows four consecutive monthly increases. Excluding defense, shipments were up $0.1 billion.

Unfilled orders decreased $2.6 billion or 0.5 percent to $493.7 billion and are at the lowest level since $492.8 billion in June 1989. This is the ninth consecutive monthly decline. Excluding defense, unfilled orders decreased $0.6 billion.

Inventories increased $1.1 billion or 0.3 percent to $383.3 billion. This is the first increase since September 1991. An increase in nondurables more than offset a decrease in durables. The inventories-to-shipments ratio increased from 1.58 in April to 1.59 in May.

New Orders

New orders for manufactured durable goods in May decreased $2.6 billion or 2.1 percent to $119.8 billion. The May decline follows increases of 1.8 percent in April and 2.1 percent in March.

Except for stone, clay, and glass products and instruments and related products, all major industry groups declined. Transportation equipment had the largest decline, down $2.1 billion or 6.4 percent to $30.9 billion, due to aircraft and parts and shipbuilding and tanks.

New orders for nondurable goods increased $0.6 billion or 0.5 percent to $118.9 billion. This is the fourth consecutive monthly increase. Large increases in chemicals and allied products, petroleum and coal products, and apparel and related products more than offset declines in textile mill products, rubber and plastics products, and food and kindred products.

Shipments

Shipments of durable goods in May decreased $1.2 billion or 1.0 percent to $122.3 billion, following a small decline in April. The largest decrease was in transportation equipment, down $0.5 billion or 1.4 percent to $32.0 billion, with decreases in all categories except motor vehicles and parts. Instruments and related products declined $0.4 billion or 3.4 percent to $10.1 billion. Primary metals increased $0.1 billion or 1.0 percent to $11.2 billion.

Shipments of nondurable goods increased $0.8 billion or 0.7 percent to $119.1 billion. This is the fourth consecutive monthly increase. The largest increases were chemicals and allied products, up $0.5 billion, and petroleum and coal products, up $0.3 billion. The largest declines were rubber and plastics products and food and kindred products, both down $0.2 billion.

Unfilled Orders

Unfilled orders for durable goods in May decreased $2.5 billion or 0.5 percent to $470.4 billion and are at the lowest level since $467.2 billion in May 1989. This is the ninth consecutive monthly decline. Transportation equipment had the largest decline, down $1.2 billion or 0.4 percent to $262.5 billion. Industrial machinery and equipment, down $0.5 billion or 1.0 percent to $52.3 billion, has declined in seven of the last eight months and is at the lowest level since $51.8 billion in December 1987. Instruments and related products, down $0.5 billion or 0.8 percent to $55.0 billion, is at the lowest level since $54.4 billion in March 1985. Unfilled orders for nondurable goods declined $0.1 billion or 0.6 percent to $23.3 billion.

Inventories

Inventories for durable goods in May were down $0.1 billion or 0.1 percent to $242.4 billion and are at the lowest level since $241.4 billion in December 1988. This is the seventeenth decline in the last eighteen months. The largest decline was in transportation equipment, down $0.4 billion. This is the sixth consecutive decline. The largest increase occurred in fabricated metal products, up $0.2 billion.

Nondurable goods increased $1.2 billion or 0.8 percent to $140.9 billion, the highest level on record. Except for printing and publishing, all major groups increased. Food and kindred products had the largest increase, up $0.5 billion.

By stage of fabrication, finished-goods inventories were down 0.3 percent in durables and up 1.4 percent in nondurables. Work in process declined 0.1 percent in durables and increased 0.3 percent in nondurables. Materials and supplies increased 0.3 percent in durables and 0.4 percent in nondurables.

The data in this press release are consistent with the revised series released June 19, 1992. A report which includes these data from 1982 through 1991 may be obtained by calling (301) 763-2502. All historical data from January 1958 through March 1992 may be purchased on tape from the Data Users Services Division (301) 763-4100.

The advance report on durable goods for June is scheduled for July 24, 1992 at 8:30 a.m. and the full report on July 31, 1992 at 10:00 a.m. For sale by the Superintendent of Documents, U.S. Government Printing Office, Washington, DC 20402. This report is also available the day of issue through the Department of Commerce's online Economic Bulletin Board (N-8-1) (202-377-3870) and through the Census Bureau's online information service-CENDATA. CENDATA is available from Dialog Information Services, Inc. (1-800-334-2464) and CompuServe (1-800-848-8199). The CENDATA staff at the Bureau of the Census (301-763-2074) can provide content information and general guidance.

Table 1. VALUE OF MANUFACTURERS' SHIPMENTS FOR INDUSTRY GROUPS
(Millions of dollars)

Industry	Seasonally adjusted						Not seasonally adjusted[1]						
	Monthly			Percent Change			Monthly				Percent change	Year to date	
	May 1992[p]	Apr. 1992[r]	Mar. 1992	Apr.-May	Mar.-Apr.	Feb.-Mar.	May 1992[p]	Apr. 1992[r]	Mar. 1992	May 1991	May 92/91	1992[p]	1991
All manufacturing industries	241,363	241,749	240,684	-0.2	+0.4	+1.2	243,906	240,550	250,588	237,831	+2.6	1,179,754	1,143,874
Manufacturing industries with unfilled orders	128,284	129,453	129,648	-0.9	-0.2	+1.3	127,877	127,683	136,656	125,451	+1.9	629,731	613,661
Durable goods industries	122,289	123,483	123,503	-1.0	0.0	+1.2	124,957	123,510	131,400	120,778	+3.5	604,315	573,044
With unfilled orders	99,813	101,070	101,311	-1.2	-0.2	+1.4	100,076	99,421	107,938	97,967	+2.2	491,028	475,040
Stone, clay, and glass products	5,157	5,094	4,952	+1.2	+2.9	+2.1	5,296	5,222	4,949	4,843	+9.4	24,099	22,522
Primary metals	11,222	11,112	10,948	+1.0	+1.5	-1.1	11,438	11,372	11,290	10,983	+4.1	55,521	54,660
Blast furnaces, steel mills	4,665	4,713	4,689	-1.0	+0.5	-1.6	4,805	4,830	4,885	4,658	+3.2	23,850	22,930
Iron and steel foundries	1,000	980	994	+2.0	-1.4	-0.3	1,087	1,026	998	994	+9.4	4,952	4,594
Nonferrous and other primary metals	5,557	5,419	5,265	+2.5	+2.9	-0.8	5,546	5,516	5,407	5,331	+4.0	26,719	27,136
Fabricated metal products	12,953	13,136	12,957	-1.4	+1.4	-0.9	13,450	13,233	13,666	13,356	+0.7	65,019	63,924
Industrial machinery and equipment	20,569	20,616	20,871	-0.2	-1.2	+4.1	20,106	20,116	23,580	19,901	+1.0	100,068	99,620
Engines and turbines	1,591	1,535	1,545	+3.6	-0.6	+7.0	1,509	1,437	1,759	1,472	+2.5	7,182	6,738
Farm and garden machinery	1,141	1,158	1,211	-1.5	-4.4	+0.2	1,248	1,431	1,501	1,275	-2.1	6,659	6,613
Construction, mining and material handling equipment	2,228	2,220	2,164	+0.4	+2.6	+0.7	2,306	2,355	2,335	2,643	-12.8	11,052	13,116
Metalworking machinery	2,080	2,150	2,196	-3.3	-2.1	+7.5	2,030	1,984	2,528	1,961	+3.5	10,146	9,424
Computer and office equipment	5,877	5,843	5,739	+0.6	+1.8	+2.1	5,142	4,702	6,878	4,515	+13.9	25,847	23,222
Electronic and other electrical equipment	17,077	17,184	17,249	-0.6	-0.4	+2.6	16,814	16,508	18,158	16,432	+2.3	82,775	79,349
Electrical transmission and distribution equipment and industrial apparatus	2,346	2,303	2,293	+1.9	+0.4	+2.8	2,366	2,303	2,516	2,275	+4.0	11,487	11,354
Household appliances	1,551	1,553	1,519	-0.1	+2.2	+1.5	1,608	1,600	1,645	1,590	+1.1	7,531	7,391
Electric lighting and wiring equipment	1,734	1,744	1,743	-0.6	+0.1	+4.6	1,705	1,637	1,800	1,617	+5.4	8,276	7,928
Household audio and video equipment	1,062	1,079	1,041	-1.6	+3.7	+0.1	836	858	1,002	701	+19.3	4,417	3,585
Communications equipment	3,568	3,543	3,710	+0.7	-4.5	+2.6	3,557	3,366	4,000	3,412	+4.2	17,476	16,137
Electronic components	5,148	5,256	5,225	-2.1	+0.6	-0.6	5,169	5,269	5,486	5,290	-2.3	26,158	25,421
Transportation equipment	32,037	32,488	32,617	-1.4	-0.4	0.0	34,410	33,610	34,928	32,348	+6.4	161,597	143,832
Motor vehicles and parts	19,833	19,472	19,128	+1.9	+1.8	+1.7	22,228	20,735	20,375	19,523	+13.9	98,928	82,265
Aircraft, missiles, space vehicles, and parts	10,007	10,754	10,962	-6.9	-1.9	-4.4	9,917	10,494	11,865	10,428	-4.9	51,241	50,269
Shipbuilding and tanks	1,041	1,059	1,225	-1.7	-13.6	+5.9	1,027	1,007	1,251	1,166	-11.9	5,238	5,518
Instruments and related products	10,106	10,461	10,331	-3.4	+1.3	+0.5	10,051	9,962	11,002	10,287	-2.3	49,935	49,709
Search and navigation equipment	2,726	2,803	2,805	-2.7	-0.1	-3.6	2,649	2,553	3,037	2,905	-8.8	13,122	13,833
Measuring and controlling devices	2,543	2,627	2,717	-3.2	-3.3	+3.1	2,530	2,553	2,918	2,519	+0.4	13,087	12,591
Medical instruments and supplies	2,824	2,914	2,871	-3.1	+1.5	+2.2	2,816	2,843	3,033	2,774	+1.5	14,194	13,638
Photographic goods	1,685	1,787	1,595	-5.7	+12.0	-0.2	1,710	1,673	1,641	1,752	-2.4	7,853	8,117
All other durable goods	13,168	13,392	13,578	-1.7	-1.4	+2.5	13,392	13,487	13,827	12,628	+6.1	65,301	59,428
Nondurable goods industries	119,074	118,266	117,181	+0.7	+0.9	+1.1	118,949	117,040	119,188	117,053	+1.6	575,439	570,830
With unfilled orders	28,471	28,383	28,337	+0.3	+0.2	+1.1	27,801	28,262	28,718	27,484	+1.2	138,703	138,621
Food and kindred products	32,965	33,186	32,392	-0.7	+2.5	+0.5	33,571	32,300	33,158	32,854	+2.2	160,125	157,896
Meat products	7,592	7,344	7,204	+3.4	+1.9	-0.2	7,896	7,184	7,252	7,789	+1.4	36,099	37,292
Dairy products	4,336	4,337	4,288	0.0	+1.1	+1.7	4,457	4,272	4,343	4,237	+5.2	21,004	19,979
Beverages	4,720	4,595	4,827	+2.7	-4.8	+4.6	5,135	4,685	4,784	4,916	+4.5	22,651	21,383
All other foods, except fats and oils	14,630	15,215	14,452	-3.8	+5.3	+0.2	14,396	14,464	15,158	14,279	+0.8	71,800	71,172
Tobacco products	2,191	2,111	2,720	+3.8	-22.4	+5.6	2,485	1,849	3,241	3,152	-21.2	11,322	11,861
Textile mill products	6,021	6,043	6,036	-0.4	+0.1	+2.0	5,988	5,917	6,264	5,516	+8.6	29,059	25,864
Broadwoven fabrics and other textiles	3,827	3,863	3,856	-0.9	+0.2	+1.8	3,873	3,775	4,014	3,574	+8.4	18,695	16,499
Paper and allied products	10,366	10,387	10,407	-0.2	-0.2	+0.3	10,215	10,280	10,615	10,070	+1.4	51,570	51,337
Pulp, paper, and paperboard mill products	4,431	4,442	4,469	-0.2	-0.6	+1.6	4,378	4,382	4,554	4,362	+0.4	22,025	22,475
Paperboard containers and boxes	2,498	2,466	2,455	+1.3	+0.4	-0.2	2,513	2,492	2,505	2,367	+6.2	12,339	11,800
Miscellaneous converted paper products	3,437	3,479	3,483	-1.2	-0.1	-0.8	3,324	3,406	3,556	3,341	-0.5	17,206	17,062
Chemicals and allied products	24,985	24,502	24,047	+2.0	+1.9	+0.2	25,258	25,426	25,282	24,821	+1.8	123,304	122,525
Industrial chemicals	12,893	12,745	12,389	+1.2	+2.9	+0.6	13,035	13,101	12,971	12,890	+1.1	63,452	65,259
Drugs, soaps, and toiletries	8,999	8,823	8,645	+2.0	+2.1	-0.6	8,405	8,453	8,907	8,226	+2.2	43,584	41,030
Petroleum and coal products	13,532	13,213	12,749	+2.4	+3.6	+3.0	13,503	12,831	11,690	13,751	-1.8	60,320	65,898
Rubber and plastics products	8,746	8,978	9,038	-2.6	-0.7	+0.8	8,986	9,195	9,288	8,784	+2.3	44,699	42,123
All other nondurable goods	20,268	19,846	19,792	+2.1	+0.3	+1.6	18,943	19,242	19,650	18,105	+4.6	95,040	93,326

[p] Preliminary. [r] Revised.

[1] Shipments and new orders are the totals for the period and are adjusted for trading-day and calendar-month variations.

Table 2. VALUE OF MANUFACTURERS' NEW ORDERS FOR INDUSTRY GROUPS
(Millions of dollars)

Industry	Seasonally adjusted						Not seasonally adjusted[1]						
	Monthly			Percent Change			Monthly				Percent change	Year to date	
	May 1992[p]	Apr. 1992[r]	Mar. 1992	Apr.-May	Mar.-Apr.	Feb.-Mar.	May 1992[p]	Apr. 1992[r]	Mar. 1992	May 1991	May 92/91	1992[p]	1991
All manufacturing industries	238,742	240,771	237,606	-0.8	+1.3	+1.8	240,809	239,643	249,552	235,416	+2.3	1,173,966	1,142,943
Manufacturing industries with unfilled orders	125,663	128,475	126,570	-2.2	+1.5	+2.5	124,780	126,776	135,620	123,036	+1.4	623,943	612,730
Durable goods industries	119,806	122,393	120,187	-2.1	+1.8	+2.1	121,955	122,551	129,515	117,446	+3.8	597,483	570,320
With unfilled orders	97,330	99,980	97,995	-2.7	+2.0	+2.4	97,074	98,462	106,053	94,635	+2.6	484,196	472,316
Stone, clay, and glass products	5,494	5,339	5,000	+2.9	+6.8	+4.2	5,664	5,467	5,004	5,044	+12.3	24,852	23,228
Primary metals	11,058	11,061	10,632	0.0	+4.0	-5.2	11,136	11,263	11,417	10,604	+5.0	55,414	52,728
Blast furnaces, steel mills	4,619	4,706	4,636	-1.8	+1.5	-2.4	4,642	4,773	4,789	4,520	+2.7	23,392	21,743
Iron and steel foundries	1,070	945	982	+13.2	-3.8	+13.7	1,127	1,008	1,042	854	+32.0	4,918	4,350
Nonferrous and other primary metals	5,369	5,410	5,014	-0.8	+7.9	-10.5	5,367	5,482	5,586	5,230	+2.6	27,104	26,635
Fabricated metal products	12,578	12,594	12,732	-0.1	-1.1	-2.4	13,039	12,740	13,567	13,279	-1.8	64,426	64,132
Industrial machinery and equipment	20,025	20,141	20,623	-0.6	-2.3	+3.3	19,658	19,720	22,866	20,230	-2.8	99,446	98,769
Engines and turbines	1,705	1,362	1,619	+25.2	-15.9	+17.0	1,609	1,185	1,614	1,569	+2.5	6,808	7,159
Construction, mining and material handling equipment	2,302	2,038	2,181	+13.0	-6.6	-2.1	2,250	2,201	2,323	2,502	-10.1	11,053	12,493
Metalworking machinery	1,936	2,163	2,204	-10.5	-1.9	+5.0	1,886	1,997	2,536	1,784	+5.7	10,344	9,118
Computer and office equipment	5,770	5,513	5,581	+4.7	-1.2	+3.2	5,233	4,520	6,695	5,007	+4.5	25,212	23,936
Electronic and other electrical equipment	16,927	17,170	16,738	-1.4	+2.6	+1.0	16,765	16,801	17,639	16,041	+4.5	83,505	81,101
Electrical transmission and distribution equipment and industrial apparatus	2,257	2,350	2,182	-4.0	+7.7	+3.4	2,267	2,354	2,360	2,207	+2.7	11,470	11,517
Electric lighting and wiring equipment	1,715	1,802	1,658	-4.8	+8.7	-0.4	1,686	1,695	1,715	1,665	+1.3	8,236	8,054
Communications equipment	3,685	3,341	3,953	+10.3	-15.5	+14.7	3,588	3,122	4,216	2,995	+19.8	17,334	15,105
Electronic components	5,057	5,262	4,646	-3.9	+13.3	-12.6	5,274	5,662	4,934	5,215	+1.1	26,847	27,133
Transportation equipment	30,883	32,984	31,191	-6.4	+5.7	+7.2	32,365	33,839	34,487	29,178	+10.9	154,931	142,513
Aircraft, missiles, space vehicles, and parts	8,887	10,535	10,322	-15.6	+2.1	+27.4	7,970	9,932	12,224	6,437	+23.8	44,823	48,865
Shipbuilding and tanks	808	1,512	479	-46.6	+215.7	-22.9	925	1,524	507	2,332	-60.3	4,057	6,249
Instruments and related products	9,638	9,597	9,980	+0.4	-3.8	+1.5	9,619	8,669	10,481	10,331	-6.9	47,823	47,403
Search and navigation equipment	2,191	2,008	2,861	+9.1	-29.8	+7.4	2,157	1,300	2,888	2,910	-25.9	11,628	11,686
Measuring and controlling devices	2,496	2,675	2,551	-6.7	+4.9	+3.0	2,483	2,601	2,752	2,515	-1.3	12,776	12,705
Medical instruments and supplies	2,850	2,834	2,621	+0.6	+8.1	-6.2	2,842	2,763	2,783	2,796	+1.6	13,897	13,328
All other durable goods	13,203	13,507	13,291	-2.3	+1.6	+0.6	13,709	14,052	14,054	12,739	+7.6	67,086	60,446
Nondurable goods industries	118,936	118,378	117,419	+0.5	+0.8	+1.5	118,854	117,092	120,037	117,970	+0.7	576,483	572,623
With unfilled orders	28,333	28,495	28,575	-0.6	-0.3	+3.0	27,706	28,314	29,567	28,401	-2.4	139,747	140,414

[p] Preliminary [r] Revised.

[1] Shipments and new orders are the totals for the period and are adjusted for trading-day and calendar-month variations.

(n) When new orders for a prior month are negative because of cancellations, the percentage change calculation is algebraically negative, even though there is a net dollar increase from the prior month to the current month.

Table 3. VALUE OF MANUFACTURERS' UNFILLED ORDERS FOR INDUSTRY GROUPS
(Millions of dollars)

Industry	Seasonally adjusted						Not seasonally adjusted				
	Monthly			Percent Change			Monthly				Percent change May 92/91
	May 1992[p]	Apr. 1992[r]	Mar. 1992	Apr.-May	Mar.-Apr.	Feb.-Mar.	May 1992[p]	Apr. 1992[r]	Mar. 1992	May 1991	
All manufacturing industries	493,664	496,285	497,263	-0.5	-0.2	-0.6	496,477	499,574	500,481	517,740	-4.1
Durable goods industries	470,391	472,874	473,964	-0.5	-0.2	-0.7	472,892	475,894	476,853	494,828	-4.4
Stone, clay, and glass products	6,985	6,648	6,403	+5.1	+3.8	+0.8	7,005	6,637	6,392	5,871	+19.3
Primary metals	20,671	20,835	20,886	-0.8	-0.2	-1.5	21,238	21,540	21,649	21,751	-2.4
Blast furnaces, steel mills	7,977	8,023	8,030	-0.6	-0.1	-0.7	8,089	8,252	8,309	8,523	-5.1
Iron and steel foundries	2,835	2,765	2,800	+2.5	-1.3	-0.4	2,866	2,826	2,844	2,954	-3.0
Nonferrous and other primary metals	9,859	10,047	10,056	-1.9	-0.1	-2.4	10,283	10,462	10,496	10,274	+0.1
Fabricated metal products	23,516	23,891	24,433	-1.6	-2.2	-0.9	23,655	24,066	24,559	25,585	-7.5
Industrial machinery and equipment	52,302	52,846	53,321	-1.0	-0.9	-0.5	52,449	52,897	53,293	56,067	-6.5
Engines and turbines	10,379	10,265	10,438	+1.1	-1.7	+0.7	10,170	10,070	10,322	9,601	+5.9
Construction, mining and material handling equipment	6,185	6,111	6,293	+1.2	-2.9	+0.3	6,166	6,222	6,376	6,883	-10.4
Metalworking machinery	8,115	8,259	8,246	-1.7	+0.2	+0.1	8,115	8,259	8,246	7,485	+8.4
Computer and office equipment	8,428	8,535	8,865	-1.3	-3.7	-1.8	8,580	8,489	8,671	11,188	-23.3
Electronic and other electrical equipment	41,685	41,835	41,849	-0.4	0.0	-1.2	42,355	42,404	42,111	44,690	-5.2
Electrical transmission and distribution equipment and industrial apparatus	6,239	6,328	6,281	-1.4	+0.7	-1.7	6,260	6,359	6,308	6,627	-5.5
Electric lighting and wiring equipment	2,939	2,958	2,900	-0.6	+2.0	-2.8	2,939	2,958	2,900	2,710	+8.5
Communications equipment	14,328	14,211	14,413	+0.8	-1.4	+1.7	14,243	14,212	14,456	15,326	-7.1
Electronic components	13,770	13,861	13,855	-0.7	0.0	-4.0	14,459	14,354	13,961	15,179	-4.7
Transportation equipment	262,543	263,697	263,201	-0.4	+0.2	-0.5	262,927	264,972	264,743	274,019	-4.0
Aircraft, missiles, space vehicles, and parts	228,183	229,303	229,522	-0.5	-0.1	-0.3	228,596	230,543	231,105	237,092	-3.6
Shipbuilding and tanks	26,271	26,504	26,051	-0.9	+1.7	-2.8	26,299	26,401	25,884	30,084	-12.6
Instruments and related products	55,017	55,485	56,349	-0.8	-1.5	-0.6	54,828	55,260	56,553	59,148	-7.3
Search and navigation equipment	37,659	38,194	38,989	-1.4	-2.0	+0.1	37,460	37,952	39,205	40,523	-7.6
Measuring and controlling devices	8,505	8,552	8,504	-0.5	+0.6	-1.9	8,505	8,552	8,504	9,005	-5.6
Medical instruments and supplies	7,897	7,871	7,951	+0.3	-1.0	-3.0	7,897	7,871	7,951	8,607	-8.2
All other durable goods	7,672	7,637	7,522	+0.5	+1.5	-3.7	8,435	8,118	7,553	7,697	+9.6
Nondurable goods industries	23,273	23,411	23,299	-0.6	+0.5	+1.0	23,585	23,680	23,628	22,912	+2.9

[p] Preliminary. [r] Revised.

Table 4. VALUE OF MANUFACTURERS' INVENTORIES FOR INDUSTRY GROUPS
(Millions of dollars)

Industry	Seasonally adjusted						Not seasonally adjusted				
	Monthly			Percent Change			Monthly				Percent change
	May 1992[p]	Apr. 1992[r]	Mar. 1992	Apr.-May	Mar.-Apr.	Feb.-Mar.	May 1992[p]	Apr. 1992[r]	Mar. 1992	May 1991	May 92/91
All manufacturing industries	383,266	382,206	383,239	+0.3	-0.3	0.0	385,828	384,499	383,614	395,138	-2.4
Manufacturing industries with unfilled orders	257,861	258,060	259,192	-0.1	-0.4	-0.3	260,692	260,040	259,380	272,947	-4.5
Durable goods industries	242,386	242,512	243,787	-0.1	-0.5	-0.2	244,641	244,122	244,207	256,525	-4.6
With unfilled orders	224,119	224,307	225,564	-0.1	-0.6	-0.3	226,492	225,888	225,622	238,290	-5.0
Stone, clay, and glass products	7,943	7,903	7,919	+0.5	-0.2	-0.6	8,121	8,088	8,069	8,262	-1.7
Primary metals	19,833	19,864	19,896	-0.2	-0.2	+0.7	19,864	19,879	19,758	21,499	-7.6
Blast furnaces, steel mills	9,734	9,737	9,858	0.0	-1.2	-0.1	9,676	9,623	9,673	10,491	-7.8
Iron and steel foundries	1,415	1,420	1,383	-0.4	+2.7	+1.2	1,452	1,469	1,436	1,459	-0.5
Nonferrous and other primary metals	8,684	8,707	8,655	-0.3	+0.6	+1.6	8,736	8,787	8,649	9,549	-8.5
Fabricated metal products	22,959	22,750	22,717	+0.9	+0.1	-0.3	23,266	23,044	22,989	23,879	-2.6
Industrial machinery and equipment	45,136	45,122	45,324	0.0	-0.4	-0.6	45,700	45,400	45,252	49,512	-7.7
Engines and turbines	3,489	3,528	3,526	-1.1	+0.1	-1.7	3,547	3,536	3,432	3,653	-2.9
Farm and garden machinery	2,251	2,241	2,267	+0.4	-1.1	-2.6	2,278	2,275	2,389	2,571	-11.4
Construction, mining and material handling equipment	6,015	6,052	6,181	-0.6	-2.1	+0.1	6,099	6,142	6,233	7,082	-13.9
Metalworking machinery	5,536	5,579	5,658	-0.8	-1.4	+0.4	5,636	5,643	5,625	5,904	-4.5
Computer and office equipment	9,578	9,554	9,602	+0.3	-0.5	0.0	9,741	9,539	9,345	10,640	-8.4
Electronic and other electrical equipment	30,840	30,919	30,977	-0.3	-0.2	-0.1	31,419	31,265	30,955	32,519	-3.4
Electrical transmission and distribution equipment and industrial apparatus	4,307	4,284	4,281	+0.5	+0.1	-0.6	4,365	4,352	4,294	4,554	-4.2
Household appliances	2,711	2,742	2,782	-1.1	-1.4	-0.3	2,914	2,890	2,867	2,966	-1.8
Electric lighting and wiring equipment	2,958	2,968	2,965	-0.3	+0.1	+0.5	3,044	3,018	2,964	3,202	-4.9
Household audio and video equipment	1,261	1,255	1,273	+0.5	-1.4	+2.1	1,275	1,239	1,229	1,034	+23.3
Communications equipment	7,321	7,305	7,262	+0.2	+0.6	-0.3	7,411	7,311	7,167	7,532	-1.6
Electronic components	8,764	8,849	8,917	-1.0	-0.8	-0.4	8,808	8,860	8,891	9,575	-8.0
Transportation equipment	71,505	71,892	73,028	-0.5	-1.6	-0.3	71,726	72,143	73,170	76,044	-5.7
Motor vehicles and parts	12,267	12,336	12,387	-0.6	-0.4	+0.7	11,938	12,267	12,490	12,285	-2.8
Aircraft, missiles, space vehicles, and parts	54,845	55,129	56,178	-0.5	-1.9	-0.4	55,348	55,463	56,283	59,455	-6.9
Shipbuilding and tanks	2,063	2,091	2,107	-1.3	-0.8	-5.4	2,108	2,110	2,035	1,975	+6.7
Instruments and related products	23,836	23,890	23,999	-0.2	-0.5	-0.7	24,212	24,134	23,999	25,355	-4.5
Search and navigation equipment	7,581	7,672	7,815	-1.2	-1.8	-0.3	7,691	7,751	7,782	8,744	-12.0
Measuring and controlling devices	6,703	6,680	6,666	+0.3	+0.2	-2.1	6,763	6,693	6,656	7,075	-4.4
Medical instruments and supplies	6,058	6,032	5,972	+0.4	+1.0	-1.0	6,191	6,127	6,034	5,943	+4.2
Photographic goods	2,852	2,851	2,884	0.0	-1.1	+2.1	2,915	2,893	2,858	2,867	+1.7
All other durable goods	20,334	20,172	19,927	+0.8	+1.2	+0.4	20,333	20,169	20,015	19,455	+4.5
Nondurable goods industries	140,880	139,694	139,452	+0.8	+0.2	+0.4	141,187	140,377	139,407	138,613	+1.9
With unfilled orders	33,742	33,753	33,628	0.0	+0.4	-0.3	34,200	34,152	33,758	34,657	-1.3
Food and kindred products	30,325	29,849	30,260	+1.6	-1.4	+1.0	29,170	29,137	29,657	28,107	+3.8
Meat products	2,731	2,633	2,731	+3.7	-3.6	+0.6	2,777	2,732	2,780	2,875	-3.4
Dairy products	2,839	2,737	2,649	+3.7	+3.3	+2.1	2,876	2,784	2,637	2,497	+15.2
Beverages	5,541	5,456	5,447	+1.6	+0.2	+1.9	5,569	5,536	5,528	5,226	+6.6
All other foods, except fats and oils	17,569	17,483	17,879	+0.5	-2.2	+0.6	16,339	16,490	17,088	15,971	+2.3
Tobacco products	6,845	6,630	6,499	+3.2	+2.0	-0.3	6,619	6,783	6,588	6,121	+8.1
Textile mill products	8,832	8,763	8,750	+0.8	+0.1	0.0	9,140	8,949	8,798	8,858	+3.2
Broadwoven fabrics and other textiles	5,121	5,122	5,152	0.0	-0.6	-0.1	5,259	5,230	5,189	5,358	-1.8
Paper and allied products	13,766	13,738	13,634	+0.2	+0.8	+0.3	13,946	13,942	13,797	13,765	+1.3
Pulp, paper, and paperboard mill products	5,734	5,680	5,583	+1.0	+1.7	-0.2	5,826	5,786	5,679	5,456	+6.8
Paperboard containers and boxes	3,283	3,246	3,246	+1.1	0.0	-0.2	3,286	3,283	3,267	3,219	+2.1
Miscellaneous converted paper products	4,749	4,812	4,805	-1.3	+0.1	+1.1	4,834	4,873	4,851	5,090	-5.0
Chemicals and allied products	34,000	33,997	33,924	0.0	+0.2	-0.2	34,247	34,433	34,340	33,944	+0.9
Industrial chemicals	17,118	17,050	17,183	+0.4	-0.8	-0.5	17,186	17,216	17,416	17,634	-2.5
Drugs, soaps, and toiletries	12,489	12,464	12,282	+0.2	+1.5	+0.7	12,714	12,581	12,113	11,787	+7.9
Petroleum and coal products	11,413	11,206	11,118	+1.8	+0.8	+2.7	11,571	11,151	10,976	12,171	-4.9
Rubber and plastics products	11,015	10,910	10,891	+1.0	+0.2	-0.8	11,173	11,106	11,048	11,708	-4.6
All other nondurable goods	24,684	24,601	24,376	+0.3	+0.9	+0.6	25,321	24,876	24,203	23,939	+5.8

[p] Preliminary. [r] Revised.

Table 5. VALUE OF MANUFACTURERS' SHIPMENTS AND NEW ORDERS FOR TOPICAL SERIES[1]
(Millions of dollars)

Industry	Seasonally adjusted						Not seasonally adjusted [2]						
	Monthly			Percent Change			Monthly				Percent change	Year to date	
	May 1992[p]	Apr. 1992[r]	Mar. 1992	Apr.-May	Mar.-Apr.	Feb.-Mar.	May 1992[p]	Apr. 1992[r]	Mar. 1992	May 1991	May 92/91	1992[p]	1991
SHIPMENTS													
All manufacturing industries	241,363	241,749	240,684	-0.2	+0.4	+1.2	243,906	240,550	250,588	237,831	+2.6	1,179,754	1,143,874
Market categories :													
Automotive equipment	9,836	9,723	9,526	+1.2	+2.1	+1.1	10,988	10,446	10,202	9,777	+12.4	49,243	41,397
Home goods and apparel	16,533	16,314	16,275	+1.3	+0.2	+2.2	15,393	15,423	16,705	13,752	+11.9	77,168	69,154
Consumer staples	54,543	54,288	53,811	+0.5	+0.9	+1.0	54,756	52,683	54,699	54,996	-0.4	262,905	263,629
Machinery and equipment	38,769	39,299	39,934	-1.3	-1.6	+2.4	39,112	38,877	43,800	38,777	+0.9	191,924	183,794
Business supplies	19,088	18,885	18,726	+1.1	+0.8	+1.7	19,005	19,295	18,922	19,193	-1.0	92,304	95,753
Construction materials and supplies	15,223	15,226	15,073	0.0	+1.0	+1.3	15,653	15,251	15,231	14,364	+9.0	72,797	66,682
Defense products	8,128	8,448	8,497	-3.8	-0.6	-2.9	8,116	8,061	8,843	8,122	-0.1	40,109	39,984
Other materials, supplies and and intermediate products	79,243	79,566	78,842	-0.4	+0.9	+0.8	80,883	80,514	82,186	78,850	+2.6	393,304	383,481
Durable goods industries :													
Nondefense capital goods [3]	30,606	30,896	31,950	-0.9	-3.3	+3.3	29,821	29,762	35,656	29,845	-0.1	149,739	146,059
Excluding aircraft and parts	24,884	24,846	25,310	+0.2	-1.8	+4.1	24,175	23,740	28,206	23,811	+1.5	119,897	117,522
Defense capital goods [4]	7,861	8,386	8,294	-6.3	+1.1	-5.1	7,802	7,897	8,616	8,098	-3.7	39,029	39,533
Durables excluding capital goods	83,822	84,201	83,259	-0.5	+1.1	+1.1	87,334	85,851	87,128	82,835	+5.4	415,547	387,452
Miscellaneous series :													
Producers' durable equipment	76,333	77,038	77,347	-0.9	-0.4	+2.3	78,457	77,091	83,647	75,659	+3.7	379,100	355,212
Household durable goods	7,041	7,094	7,030	-0.7	+0.9	+2.6	6,763	6,878	7,522	6,358	+6.4	33,750	31,328
Information technology industries	13,821	13,987	13,903	-1.2	+0.6	+1.8	13,092	12,459	15,645	12,472	+5.0	65,193	61,478
Health care equipment and products	7,711	7,708	7,571	0.0	+1.8	+0.5	7,390	7,443	7,874	7,250	+1.9	37,883	35,948
NEW ORDERS													
All manufacturing industries	238,742	240,771	237,606	-0.8	+1.3	+1.8	240,809	239,643	249,552	235,416	+2.3	1,173,966	1,142,943
Market categories :													
Automotive equipment	9,852	9,775	9,487	+0.8	+3.0	+0.5	10,968	10,505	10,170	9,764	+12.3	49,312	41,468
Home goods and apparel	16,361	16,477	15,862	-0.7	+3.9	+0.6	15,352	15,857	16,756	13,981	+9.8	78,671	70,964
Consumer staples	54,499	54,294	53,795	+0.4	+0.9	+1.0	54,673	52,694	54,666	54,930	-0.5	262,783	263,484
Machinery and equipment	39,223	38,249	39,828	+2.5	-4.0	+5.4	39,738	38,066	43,531	35,233	+12.8	190,591	181,906
Business supplies	19,038	18,798	18,817	+1.3	-0.1	+2.8	19,087	19,193	19,089	19,344	-1.3	92,341	95,848
Construction materials and supplies	15,282	15,313	14,991	-0.2	+2.1	+1.4	15,709	15,401	15,299	14,471	+8.6	73,172	67,091
Defense products	6,285	8,191	7,014	-23.3	+16.8	+12.6	5,527	6,776	7,977	8,543	-35.3	32,800	36,547
Other materials, supplies and and intermediate products	78,202	79,674	77,812	-1.8	+2.4	0.0	79,755	81,151	82,064	79,150	+0.8	394,296	385,635
Durable goods industries :													
Nondefense capital goods [3]	30,439	29,901	32,163	+1.8	-7.0	+9.2	29,781	28,897	35,404	26,064	+14.3	147,854	144,532
Excluding aircraft and parts	24,578	24,288	25,018	+1.2	-2.9	+2.3	23,996	23,312	27,449	23,578	+1.8	120,105	115,705
Defense capital goods [4]	5,874	8,101	6,730	-27.5	+20.4	+9.9	4,945	6,769	7,819	8,512	-41.9	31,798	36,305
Durables excluding capital goods	83,493	84,391	81,294	-1.1	+3.8	-1.1	87,229	86,885	86,292	82,870	+5.3	417,831	389,483
Miscellaneous series :													
Producers' durable equipment	76,828	76,045	75,768	+1.0	+0.4	+2.6	79,102	76,719	82,296	72,663	+8.9	377,864	354,752
Household durable goods	6,918	7,269	6,714	-4.8	+8.3	-1.6	6,619	7,364	7,545	6,407	+3.3	34,892	32,417
Information technology industries	13,799	13,402	13,626	+3.0	-1.6	+1.3	13,260	12,012	15,365	12,725	+4.2	64,338	61,575
Health care equipment and products	7,737	7,628	7,321	+1.4	+4.2	-2.6	7,417	7,363	7,624	7,271	+2.0	37,587	35,634

[p] Preliminary. [r] Revised.

[1] Topical series are regroupings of the separate industry categories.

[2] Shipments and new orders are the totals for the period and are adjusted for trading-day and calendar-month variations.

[3] Nondefense capital goods industries include : ordnance and accessories; steam, gas and hydraulic turbines; internal combustion engines; construction, mining, and material handling equipment; metalworking machinery; special industry machinery; general industrial machinery; computer and office equipment; refrigeration, heating and service industry machinery; electrical transmission and distribution equipment; electrical industrial apparatus; communications equipment; aircraft, missiles, space vehicles, and engines and parts; ships and tank components; railroad equipment; and search and navigation equipment.

[4] Defense capital goods industries include : ordnance and accessories; communications equipment; aircraft, missiles, space vehicles, and engines and parts; ships, tanks and tank components; and search and navigation equipment.

Table 6. VALUE OF MANUFACTURERS' UNFILLED ORDERS AND TOTAL INVENTORIES FOR TOPICAL SERIES[1]
(Millions of dollars)

Industry	Seasonally adjusted						Not seasonally adjusted				
	Monthly			Percent Change			Monthly				Percent change May 92/91
	May 1992[p]	Apr. 1992[r]	Mar. 1992	Apr.-May	Mar.-Apr.	Feb.-Mar.	May 1992[p]	Apr. 1992[r]	Mar. 1992	May 1991	
UNFILLED ORDERS											
All manufacturing industries	493,664	496,285	497,263	-0.5	-0.2	-0.6	496,477	499,574	500,481	517,740	-4.1
Market categories :											
Automotive equipment	1,744	1,727	1,676	+1.0	+3.0	-2.3	1,744	1,763	1,704	1,578	+10.5
Home goods and apparel	9,265	9,437	9,274	-1.8	+1.8	-4.3	9,942	9,982	9,548	9,518	+4.5
Consumer staples	1,222	1,266	1,260	-3.5	+0.5	-1.3	1,164	1,247	1,235	1,154	+0.9
Machinery and equipment	212,176	211,722	212,773	+0.2	-0.5	0.0	212,529	211,903	212,714	221,271	-4.0
Business supplies	5,672	5,721	5,808	-0.9	-1.5	+1.6	5,793	5,711	5,813	6,007	-3.6
Construction materials and supplies	14,107	14,048	13,961	+0.4	+0.6	-0.6	14,253	14,197	14,046	13,663	+4.3
Defense products	128,678	130,521	130,777	-1.4	-0.2	-1.1	128,714	131,303	132,588	139,769	-7.9
Other materials, supplies and and intermediate products	120,800	121,843	121,734	-0.9	+0.1	-0.8	122,338	123,468	122,833	124,780	-2.0
Durable goods industries :											
Nondefense capital goods [3]	232,536	232,703	233,698	-0.1	-0.4	+0.1	232,716	232,756	233,621	240,440	-3.2
Excluding aircraft and parts	74,691	74,997	75,555	-0.4	-0.7	-0.4	74,871	75,050	75,478	79,866	-6.3
Defense capital goods [4]	136,271	138,258	138,543	-1.4	-0.2	-1.1	136,400	139,257	140,385	148,609	-8.2
Durables excluding capital goods	101,584	101,913	101,723	-0.3	+0.2	-1.9	103,776	103,881	102,847	105,779	-1.9
Miscellaneous series :											
Producers' durable equipment	234,528	234,033	235,026	+0.2	-0.4	-0.7	235,527	234,882	235,254	249,521	-5.6
Household durable goods	5,191	5,314	5,139	-2.3	+3.4	-5.8	5,632	5,776	5,290	5,332	+5.6
Information technology industries	32,649	32,671	33,256	-0.1	-1.8	-0.8	32,786	32,618	33,065	36,766	-10.8
Health care equipment and products	7,926	7,900	7,980	+0.3	-1.0	-3.0	7,926	7,899	7,979	8,636	-8.2
TOTAL INVENTORIES											
All manufacturing industries	383,266	382,206	383,239	+0.3	-0.3	0.0	385,828	384,499	383,614	395,138	-2.4
Market categories :											
Automotive equipment	6,341	6,403	6,499	-1.0	-1.5	+0.7	6,289	6,392	6,566	6,461	-2.7
Home goods and apparel	28,481	28,168	27,933	+1.1	+0.8	+0.8	29,574	28,622	27,854	26,739	+10.6
Consumer staples	58,685	57,963	57,918	+1.2	+0.1	+0.8	57,765	57,582	57,230	56,213	+2.8
Machinery and equipment	87,448	87,593	88,071	-0.2	-0.5	-0.9	88,718	88,504	88,128	92,780	-4.4
Business supplies	21,824	21,885	21,873	-0.3	+0.1	0.0	21,898	22,039	22,008	22,786	-3.9
Construction materials and supplies	22,897	22,730	22,613	+0.7	+0.5	+0.7	23,196	22,973	22,839	23,024	+0.7
Defense products	32,259	32,632	33,227	-1.1	-1.8	0.0	32,530	32,684	33,248	36,344	-10.5
Other materials, supplies and and intermediate products	125,331	124,832	125,105	+0.4	-0.2	0.0	125,858	125,703	125,741	130,791	-3.8
Durable goods industries :											
Nondefense capital goods [3]	82,806	83,020	83,535	-0.3	-0.6	-0.9	83,967	83,777	83,276	88,763	-5.4
Excluding aircraft and parts	54,494	54,399	54,532	+0.2	-0.2	-0.6	55,357	54,834	54,188	58,953	-6.1
Defense capital goods [4]	34,661	34,689	35,494	-0.1	-2.3	+0.2	34,942	34,761	35,508	38,971	-10.3
Durables excluding capital goods	124,919	124,803	124,758	+0.1	0.0	+0.1	125,732	125,584	125,423	128,791	-2.4
Miscellaneous series :											
Producers' durable equipment	141,794	141,726	142,056	0.0	-0.2	-0.6	143,462	143,003	142,477	148,210	-3.2
Household durable goods	12,918	12,857	12,848	+0.5	+0.1	+0.1	13,276	13,029	12,860	12,853	+3.3
Information technology industries	28,006	27,976	28,015	+0.1	-0.1	-0.5	28,436	28,054	27,606	29,877	-4.8
Health care equipment and products	12,841	12,801	12,645	+0.3	+1.2	-0.1	13,095	12,960	12,619	12,358	+6.0

See footnotes at end of table 5.

Table 7. VALUE OF MANUFACTURERS' INVENTORIES, BY STAGE OF FABRICATION, BY INDUSTRY GROUP
(Millions of dollars)

Industry	Seasonally adjusted						Not seasonally adjusted				
	Monthly			Percent Change			Monthly				Percent change
	May 1992[p]	Apr. 1992[r]	Mar. 1992	Apr.-May	Mar.-Apr.	Feb.-Mar.	May 1992[p]	Apr. 1992[r]	Mar. 1992	May 1991	May 92/91
MATERIALS AND SUPPLIES											
All manufacturing industries	118,795	118,415	118,292	+0.3	+0.1	-0.2	118,040	118,129	118,297	121,000	-2.4
Durable goods industries	66,714	66,535	66,542	+0.3	0.0	-0.7	66,278	66,105	66,244	69,739	-5.0
Stone, clay, and glass products	2,372	2,367	2,398	+0.2	-1.3	-1.1	2,377	2,354	2,386	2,460	-3.4
Primary metals	6,083	6,170	6,173	-1.4	0.0	+1.4	5,897	5,970	5,927	6,466	-8.8
Fabricated metal products	8,157	7,831	7,813	+4.2	+0.2	-0.8	8,126	7,787	7,883	8,236	-1.3
Industrial machinery and equipment	12,956	12,921	13,061	+0.3	-1.1	-1.4	12,933	12,878	12,981	14,222	-9.1
Electronic and other electrical equipment	9,203	9,189	9,142	+0.2	+0.5	-0.6	9,244	9,218	9,142	9,765	-5.3
Transportation equipment	13,300	13,540	13,600	-1.8	-0.4	-0.8	13,216	13,567	13,640	14,508	-8.9
Instruments and related products	6,946	6,899	6,806	+0.7	+1.4	-1.3	7,009	6,917	6,833	6,722	+4.3
Lumber, furniture and miscellaneous durable goods	7,697	7,618	7,549	+1.0	+0.9	-0.3	7,476	7,414	7,452	7,360	+1.6
Nondurable goods industries	52,081	51,880	51,750	+0.4	+0.3	+0.4	51,762	52,024	52,053	51,261	+1.0
Food and kindred products	10,189	10,174	10,140	+0.1	+0.3	+1.1	10,063	10,196	10,178	9,607	+4.7
Tobacco products	5,107	5,074	5,115	+0.7	-0.8	0.0	4,975	5,090	5,238	4,688	+6.1
Textile mill products	2,685	2,676	2,672	+0.3	+0.1	+0.3	2,763	2,734	2,694	2,559	+8.0
Paper and allied products	6,955	6,927	6,918	+0.4	+0.1	+0.5	6,918	6,921	6,943	6,798	+1.8
Chemicals and allied products	11,535	11,570	11,535	-0.3	+0.3	+0.6	11,490	11,580	11,557	11,582	-0.8
Petroleum and coal products	2,972	2,865	2,795	+3.7	+2.5	+1.3	2,998	2,907	2,797	3,207	-6.5
Rubber and plastics products	4,311	4,282	4,252	+0.7	+0.7	+0.1	4,270	4,274	4,251	4,414	-3.3
Apparel, printing and publishing and leather goods	8,327	8,312	8,323	+0.2	-0.1	-0.8	8,285	8,322	8,395	8,406	-1.4
WORK IN PROCESS											
All manufacturing industries	136,538	136,582	137,704	0.0	-0.8	-0.4	137,665	137,612	137,783	143,830	-4.3
Durable goods industries	113,894	114,004	115,330	-0.1	-1.1	-0.4	114,967	114,808	115,538	121,923	-5.7
Stone, clay, and glass products	1,142	1,109	1,108	+3.0	+0.1	+0.4	1,169	1,156	1,161	1,174	-0.4
Primary metals	7,624	7,484	7,455	+1.9	+0.4	-0.3	7,697	7,571	7,500	8,403	-8.4
Fabricated metal products	7,326	7,380	7,419	-0.7	-0.5	-1.4	7,430	7,499	7,434	7,793	-4.7
Industrial machinery and equipment	19,098	19,045	19,093	+0.3	-0.3	+0.3	19,407	19,173	19,129	20,598	-5.8
Electronic and other electrical equipment	12,878	12,990	13,091	-0.9	-0.8	-0.7	13,088	13,148	13,052	13,584	-3.7
Transportation equipment	50,144	50,236	51,264	-0.2	-2.0	-0.5	50,379	50,436	51,415	53,215	-5.3
Instruments and related products	11,402	11,516	11,734	-1.0	-1.9	-1.1	11,528	11,580	11,674	13,074	-11.8
Lumber, furniture and miscellaneous durable goods	4,280	4,244	4,166	+0.8	+1.9	+1.0	4,269	4,245	4,173	4,082	+4.6
Nondurable goods industries	22,644	22,578	22,374	+0.3	+0.9	+0.1	22,698	22,804	22,245	21,907	+3.6
Food and kindred products	3,387	3,425	3,416	-1.1	+0.3	-3.7	3,270	3,385	3,432	3,367	-2.9
Tobacco products	58	68	85	-14.7	-20.0	+6.3	46	55	77	55	-16.4
Textile mill products	2,488	2,439	2,415	+2.0	+1.0	-1.2	2,520	2,455	2,430	2,448	+2.9
Paper and allied products	1,090	1,128	1,137	-3.4	-0.8	-1.5	1,091	1,144	1,149	1,294	-15.7
Chemicals and allied products	5,488	5,473	5,380	+0.3	+1.7	+0.2	5,609	5,598	5,266	5,283	+6.2
Petroleum and coal products	3,008	3,021	3,052	-0.4	-1.0	+3.7	3,031	3,029	2,999	2,986	+1.5
Rubber and plastics products	1,510	1,521	1,498	-0.7	+1.5	-2.4	1,505	1,514	1,483	1,571	-4.2
Apparel, printing and publishing and leather goods	5,615	5,503	5,391	+2.0	+2.1	+2.1	5,626	5,624	5,409	4,903	+14.7
FINISHED GOODS											
All manufacturing industries	127,933	127,209	127,243	+0.6	0.0	+0.6	130,123	128,758	127,534	130,308	-0.1
Durable goods industries	61,778	61,973	61,915	-0.3	+0.1	+0.6	63,396	63,209	62,425	64,863	-2.3
Stone, clay, and glass products	4,429	4,427	4,413	0.0	+0.3	-0.6	4,575	4,578	4,522	4,628	-1.1
Primary metals	6,126	6,210	6,268	-1.4	-0.9	+1.4	6,270	6,338	6,331	6,630	-5.4
Fabricated metal products	7,476	7,539	7,485	-0.8	+0.7	+1.3	7,710	7,758	7,672	7,850	-1.8
Industrial machinery and equipment	13,082	13,156	13,170	-0.6	-0.1	-1.3	13,360	13,349	13,142	14,692	-9.1
Electronic and other electrical equipment	8,759	8,740	8,744	+0.2	0.0	+1.3	9,087	8,899	8,761	9,170	-0.9
Transportation equipment	8,061	8,116	8,164	-0.7	-0.6	+2.0	8,131	8,140	8,115	8,321	-2.3
Instruments and related products	5,488	5,475	5,459	+0.2	+0.3	+0.9	5,675	5,637	5,492	5,559	+2.1
Lumber, furniture and miscellaneous durable goods	8,357	8,310	8,212	+0.6	+1.2	+0.8	8,588	8,510	8,390	8,013	+7.2
Nondurable goods industries	66,155	65,236	65,328	+1.4	-0.1	+0.6	66,727	65,549	65,109	65,445	+2.0
Food and kindred products	16,749	16,250	16,704	+3.1	-2.7	+2.0	15,837	15,556	16,047	15,133	+4.7
Tobacco products	1,680	1,488	1,299	+12.9	+14.5	-1.8	1,598	1,638	1,273	1,378	+16.0
Textile mill products	3,659	3,648	3,663	+0.3	-0.4	+0.5	3,857	3,760	3,674	3,851	+0.2
Paper and allied products	5,721	5,683	5,579	+0.7	+1.9	+0.3	5,937	5,877	5,705	5,673	+4.7
Chemicals and allied products	16,977	16,954	17,009	+0.1	-0.3	-0.9	17,148	17,255	17,517	17,079	+0.4
Petroleum and coal products	5,433	5,320	5,271	+2.1	+0.9	+2.9	5,542	5,215	5,180	5,978	-7.3
Rubber and plastics products	5,194	5,107	5,141	+1.7	-0.7	-1.1	5,398	5,318	5,314	5,723	-5.7
Apparel, printing and publishing and leather goods	10,742	10,786	10,662	-0.4	+1.2	+1.0	11,410	10,930	10,399	10,630	+7.3

[p] Prelimary. [r] Revised.

Table 8. RATIOS OF MANUFACTURES' INVENTORIES TO SHIPMENTS AND UNFILLED ORDERS TO SHIPMENTS, BY INDUSTRY GROUP
(Based on seasonally adjusted data)

Industry	Inventory / Shipments ratio				Unfilled Orders / Shipments ratio[1]			
	May 1992[p]	Apr. 1992[r]	Mar. 1992	Feb. 1992	May 1992[p]	Apr. 1992[r]	Mar. 1992	Feb. 1992
All manufacturing industries	1.59	1.58	1.59	1.61	3.85	3.83	3.84	3.91
Durable goods industries	1.98	1.96	1.97	2.00	4.71	4.68	4.68	4.78
Stone, clay, and glass products	1.54	1.55	1.60	1.64	1.47	1.42	1.41	1.43
Primary metals	1.77	1.79	1.82	1.78	1.84	1.88	1.91	1.92
Fabricated metal products	1.77	1.73	1.75	1.74	2.00	2.01	2.07	2.08
Industrial machinery and equipment	2.19	2.19	2.17	2.27	2.69	2.72	2.71	2.84
Electronic and other electrical equipment	1.81	1.80	1.80	1.84	2.44	2.43	2.43	2.52
Transportation equipment	2.23	2.21	2.24	2.25	14.00	13.55	13.20	13.28
Instruments and related products	2.36	2.28	2.32	2.35	5.44	5.30	5.45	5.52
Nondurable goods industries	1.18	1.18	1.19	1.20	0.82	0.82	0.82	0.82
Food and kindred products	0.92	0.90	0.93	0.93	(X)	(X)	(X)	(X)
Tobacco products	3.12	3.14	2.39	2.53	(X)	(X)	(X)	(X)
Textile mill products	1.47	1.45	1.45	1.48	(NA)	(NA)	(NA)	(NA)
Paper and allied products	1.33	1.32	1.31	1.31	(NA)	(NA)	(NA)	(NA)
Chemicals and allied products	1.36	1.39	1.41	1.42	(X)	(X)	(X)	(X)
Petroleum and coal products	0.84	0.85	0.87	0.87	(X)	(X)	(X)	(X)
Rubber and plastics products	1.26	1.22	1.21	1.23	(X)	(X)	(X)	(X)

[p] Preliminary. [r] Revised. (X) Not applicable. (NA) Not available.

[1] Excludes the following industries with no unfilled orders : Wood and lumber products; glass containers; metal cans, barrels and drums; farm and garden machinery; motor vehicle assembly operations; other transportation equipment; foods and related products; tobacco; knitting mill products; apparel and related products; chemicals; petroleum and coal products; and rubber and plastics products.

Table 9. AVERAGE REVISIONS TO PREVIOUSLY PUBLISHED MONTHLY PERCENT CHANGES
(Based on seasonally adjusted data)

Industry	Shipments			New orders			Unfilled orders			Inventories		
	May[1] 1992	May[2] 1987-1991	May 1991-Apr. 1992	May[1] 1992	May[2] 1987-1991	May 1991-Apr. 1992	May[1] 1992	May[2] 1987-1991	May 1991-Apr. 1992	May[1] 1992	May[2] 1987-1991	May 1991-Apr. 1992
All manufacturing industries	(X)	0.2	0.1	(X)	0.2	0.2	(X)	0.1	0.1	(X)	0.1	0.1
Durable goods industries	0.0	0.0	0.1	0.2	0.1	0.3	0.0	0.0	0.1	(X)	0.1	0.1
Stone, clay, and glass products	(X)	0.7	0.8	(X)	0.4	1.4	(X)	1.2	0.6	(X)	0.3	0.2
Primary metals	0.3	0.3	0.3	0.7	1.1	0.7	0.2	0.5	0.3	(X)	0.2	0.1
Fabricated metal products	(X)	0.1	0.3	(X)	0.2	0.3	(X)	0.1	0.2	(X)	0.1	0.1
Industrial machinery and equipment	0.2	0.4	0.2	0.3	0.8	0.4	0.1	0.2	0.1	(X)	0.1	0.1
Electronic and other electrical equipment	-0.1	0.2	0.2	-0.1	0.3	1.0	0.0	0.1	0.3	(X)	0.1	0.1
Transportation equipment	0.0	0.1	0.3	-0.2	0.3	0.3	0.0	0.1	0.0	(X)	0.0	0.3
Instruments and related products	(X)	0.3	0.2	(X)	0.5	0.8	(X)	0.1	0.2	(X)	0.1	0.0
Nondurable goods industries	(X)	0.2	0.1	(X)	0.2	0.1	(X)	0.3	0.3	(X)	0.0	0.1
Food and kindred products	(X)	0.4	0.2	(X)	(X)	(X)	(X)	(X)	(X)	(X)	0.3	0.1
Tobacco products	(X)	0.2	0.3	(X)	(X)	(X)	(X)	(X)	(X)	(X)	0.0	0.0
Textile mill products	(X)	0.8	0.2	(X)	(NA)	(NA)	(X)	(NA)	(NA)	(X)	0.0	0.2
Paper and allied products	(X)	0.2	0.3	(X)	(NA)	(NA)	(X)	(NA)	(NA)	(X)	0.1	0.2
Chemicals and allied products	(X)	0.2	0.2	(X)	(X)	(X)	(X)	(X)	(X)	(X)	0.1	0.1
Petroleum and coal products	(X)	0.4	0.2	(X)	(X)	(X)	(X)	(X)	(X)	(X)	0.2	0.1
Rubber and plastics products	(X)	0.9	0.3	(X)	(X)	(X)	(X)	(X)	(X)	(X)	0.5	0.2
Capital goods industries :												
Nondefense	0.1	0.2	0.1	0.4	0.5	0.4	0.0	0.1	0.1	(X)	0.0	0.3
Defense	0.1	0.3	0.4	0.0	0.4	1.3	0.0	0.0	0.0	(X)	0.1	0.1

(X) Not applicable. (NA) Not available.

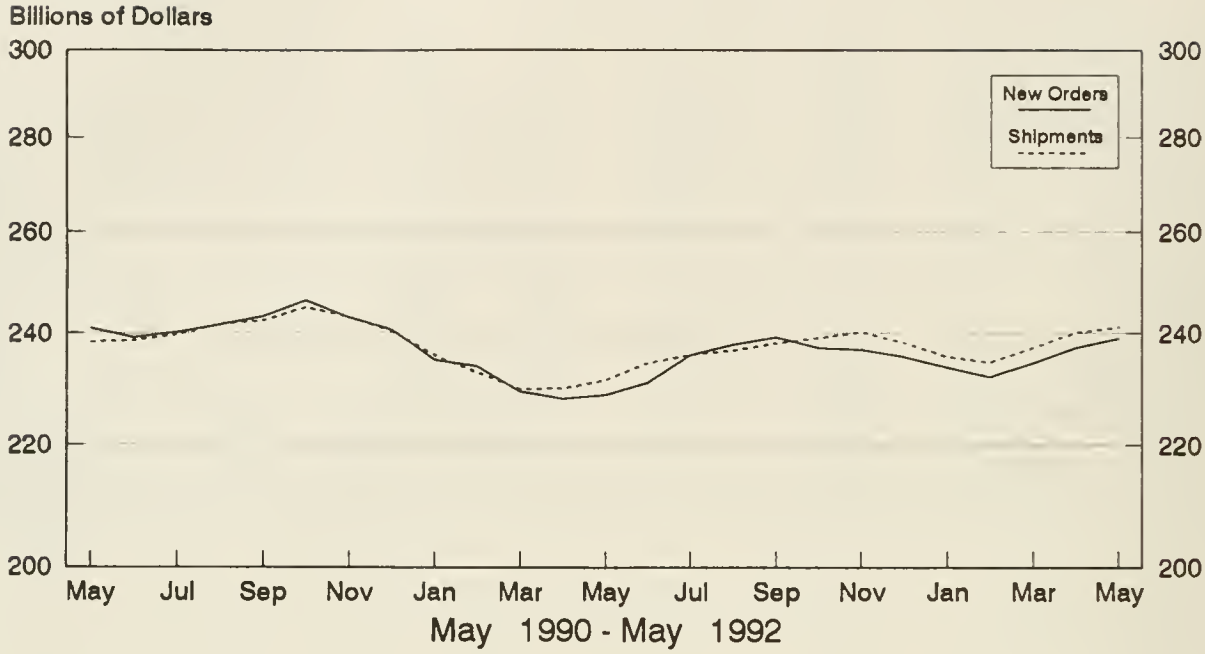
Note : The five year and the twelve month revisions are the differences between the month to month percent changes of the preliminary and final estimates. The monthly avarages are the simple averages of the absolute values of the difference for the months specified. The advance to final percent change revisions for the durable goods industries are shown in the advance report for the month.

[1] The current month revisions are the difference between the advance percent change and the percent change as shown in this publication.

[2] Average for this month for the last five years.

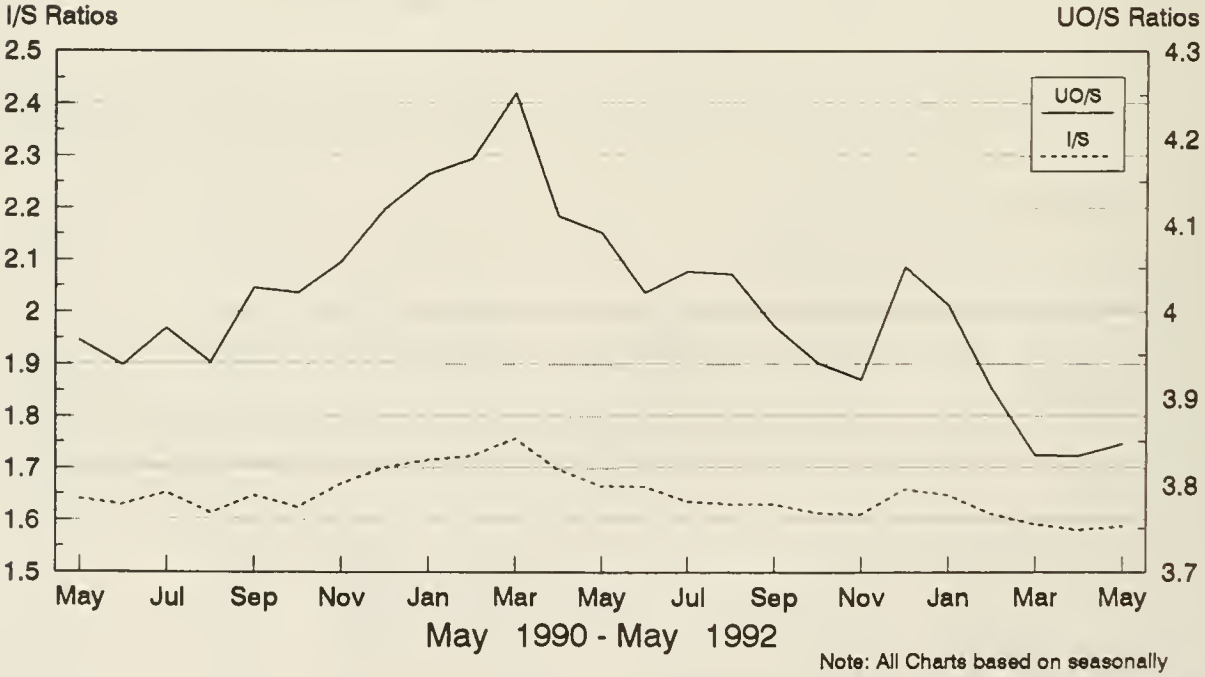
Total Manufacturing

New Orders and Shipments
Three Month Moving Averages



Total Manufacturing

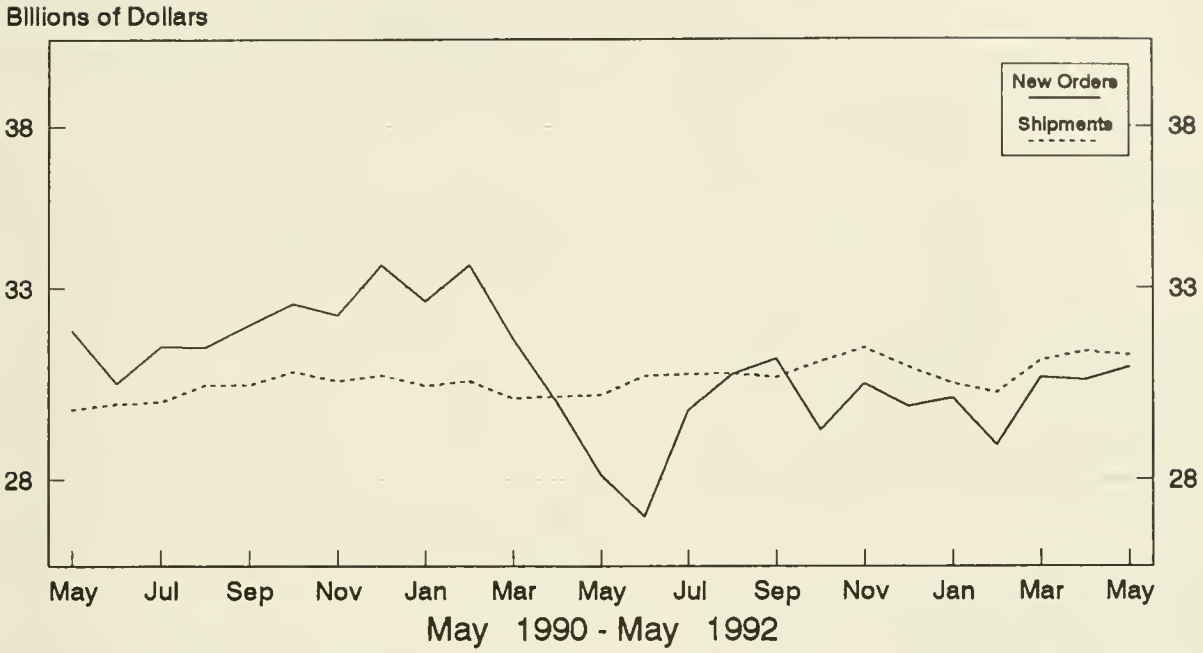
Ratio of Unfilled Orders and
Inventories to Shipments



Note: All Charts based on seasonally adjusted current dollars.

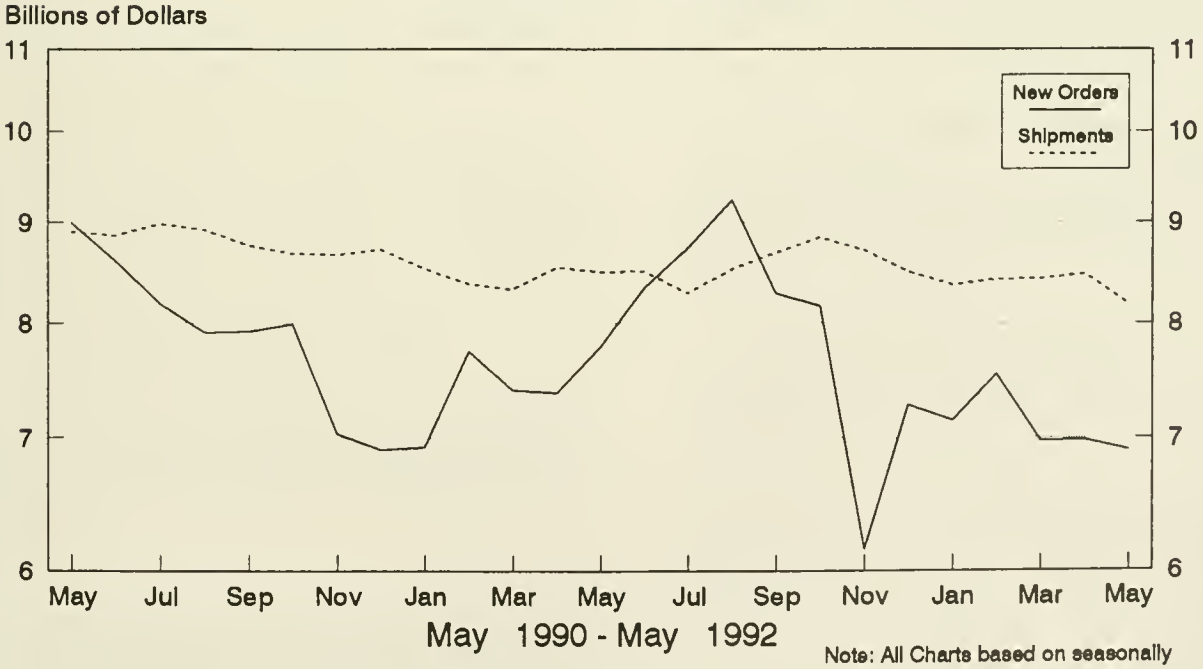
NonDefense Capital Goods

New Orders and Shipments
Three Month Moving Averages



Defense Capital Goods

New Orders and Shipments
Three Month Moving Averages



Note: All Charts based on seasonally adjusted current dollars.

U.S. Department of Commerce
BUREAU OF THE CENSUS
Washington, D.C. 20233

Official Business

Penalty for Private Use, $300

U.S.MAIL

POSTAGE AND FEES PA
U S DEPARTMENT OF COMMER

COM-2

First Class Mail

3. 158: M 3-1(92)-6

ent Industrial Reports, Manufac... STENDENT OF DOCUMENTS DEPOSITORY

OCT 20 1992

BOSTON PUBLIC LIBRARY GOVERNMENT DOCUMENTS DEPARTMENT

Manufacturers' Shipments, Inventories, and Orders

June 1992

M3-1-(92)-6

U. S. Department of Commerce
BUREAU OF THE CENSUS

For Wire Transmissions 10:00 a.m. E.D.T. Friday, July 31, 1992

Steve Andrews or Kathy Menth
(301)763-2502 or (301)763-2575

Note: All figures in text are in seasonally adjusted current dollars

Summary

New orders for manufactured goods in June increased $5.5 billion or 2.3 percent to $244.2 billion, the Department of Commerce, Bureau of the Census reported today. The June increase follows 0.9 percent decrease in May and is the fifth increase in the last six months. Excluding defense, new orders were up $4.4 billion.

Shipments increased $5.8 billion or 2.4 percent to $247.3 billion, the largest increase since April 1991. This increase follows a 0.1 percent decrease in May and is the fifth increase in the last six months. Excluding defense, shipments increased $5.7 billion.

Unfilled orders decreased $3.1 billion or 0.6 percent to $490.4 billion and are at the lowest level since $488.9 billion in May 1989. This is the tenth consecutive monthly decline. Excluding defense, unfilled orders decreased $2.1 billion.

Inventories decreased $0.4 billion or 0.1 percent to $382.9 billion. This follows a 0.3 percent increase in May and is the eighth decline in the last nine months. Excluding defense, inventories increased $0.6 billion. The inventories-to-shipments ratio decreased from 1.59 in May to 1.55 in June, the lowest on record.

New Orders

New orders for durable goods in June increased $3.3 billion or 2.7 percent to $123.1 billion. The June increase follows a 2.1 percent decrease in May and 1.8 percent increase in April. Excluding defense, new orders were up $2.1 billion or 1.9 percent to $116.1 billion.

Except for instruments and related products, all major industry groups increased. Industrial machinery and equipment had the largest increase, up $1.3 billion or 6.4 percent to $21.4 billion with increases in all categories except farm and garden machinery. Transportation equipment was up $0.6 billion or 2.0 percent to $31.4 billion, as increases in aircraft and parts and railroad and other transportation equipment more than offset declines in motor vehicles and parts and shipbuilding and tanks.

New orders for nondurable goods increased $2.2 billion or 1.9 percent to $121.1 billion. This is the fifth consecutive monthly increase. Large increases in tobacco products, petroleum and coal products, and chemical and allied products more than offset a large decline in food and kindred products.

Shipments

Shipments of durable goods in June increased $3.7 billion or 3.0 percent to $126.1 billion, with increases in all major industry groups. This is the first increase since March. The largest increases occurred in industrial machinery and equipment, up $1.1 billion or 5.3 percent to $21.7 billion, with increases in all categories except farm and garden machinery, and in transportation equipment, up $1.1 billion or 3.3 percent to $32.9 billion, primarily due to aircraft and parts.

Shipments of nondurable goods increased $2.1 billion or 1.8 percent to $121.2 billion. This is the fifth consecutive increase. The largest increases were in tobacco products, up $1.3 billion or 60.2 percent to $3.5 billion, and petroleum and coal products, up $0.9 billion or 6.5 percent to $14.5 billion. Food and kindred products had the largest decline, down $0.5 billion or 1.5 percent to $32.5 billion.

Unfilled Orders

Unfilled orders for durable goods in June decreased $3.0 billion or 0.6 percent to $467.4 billion and are at the lowest level since $467.2 billion in May 1989. This is the tenth consecutive monthly decline. Excluding defense, unfilled orders were down $2.0 billion. Transportation equipment had the largest decline, down $1.5 billion or 0.6 percent to $261.1 billion with large decreases in aircraft and parts and shipbuilding and tanks. Transportation equipment has declined in nine of the last ten months and is at the lowest level since $259.9 billion in December 1989. Instruments and related products was down $1.3 billion or 2.4 percent to $53.6 billion, the lowest level since $53.4 billion in February 1985. Unfilled orders for nondurable goods declined $0.1 billion or 0.6 percent to $23.0 billion.

Inventories

Inventories for durable goods in June were down $0.9 billion or 0.4 percent to $241.6 billion and are at the lowest level since $241.4 billion in December 1988. This is the eighteenth decline in the last nineteen months. Excluding defense, inventories increased $0.1 billion or 0.1 percent. Transportation equipment had the largest decline, down $1.1 billion or 1.5 percent to $70.5 billion, and has decreased for seven consecutive months.

Nondurable goods increased $0.5 billion or 0.3 percent to $141.3 billion, the highest level on record. Petroleum and coal products had the largest increase, up $0.4 billion or 3.1 percent to $11.8 billion. The largest decrease was in tobacco products, down $0.4 billion or 5.6 percent to $6.5 billion.

By stage of fabrication, finished-goods inventories were unchanged in durables and down 0.3 percent in nondurables. Work in process declined 1.2 percent in durables and increased 0.7 percent in nondurables. Materials and supplies increased 0.8 percent in durables and 0.9 percent in nondurables.

The advance report on durable goods for July is scheduled for August 26, 1992 at 8:30 a.m. and the full report on September 2, 1992 at 10:00 a.m. For sale by the Superintendent of Documents, U.S. Government Printing Office, Washington, DC 20402. This report is also available the day of issue through the Department of Commerce's online Economic Bulletin Board (N-8-1) (202-377-3870) and through the Census Bureau's online information service-CENDATA. CENDATA is available from Dialog Information Services, Inc. (1-800-334-2464) and CompuServe (1-800-848-8199). The CENDATA staff at the Bureau of the Census (301-763-2074) can provide content information and general guidance.

Table 1. VALUE OF MANUFACTURERS' SHIPMENTS FOR INDUSTRY GROUPS
(Millions of dollars)

Industry	Seasonally adjusted						Not seasonally adjusted[1]						
	Monthly			Percent Change			Monthly				Percent change	Year to date	
	June 1992[p]	May 1992[r]	Apr. 1992	May-June	Apr.-May	Mar.-Apr.	June 1992[p]	May 1992[r]	Apr. 1992	June 1991	June 92/91	1992[p]	199
All manufacturing industries	247,318	241,479	241,749	+2.4	-0.1	+0.4	264,004	243,922	240,550	249,871	+5.7	1,443,774	1,393,74
Manufacturing Industries													
with unfilled orders	132,295	128,424	129,453	+3.0	-0.8	-0.2	142,463	127,902	127,683	135,636	+5.0	772,219	749,29
without defense capital goods	239,292	233,639	233,363	+2.4	+0.1	+0.4	255,474	236,131	232,653	240,894	+6.1	1,396,226	1,345,23
Durable goods industries	126,069	122,344	123,483	+3.0	-0.9	0.0	137,629	124,991	123,510	129,250	+6.5	741,978	702,29
With unfilled orders	103,738	99,952	101,070	+3.8	-1.1	-0.2	113,224	100,129	99,421	107,029	+5.8	604,305	582,06
Stone, clay, and glass products	5,295	5,184	5,094	+2.1	+1.8	+2.9	5,829	5,322	5,222	5,239	+11.3	29,954	27,76
Primary metals	11,278	11,223	11,112	+0.5	+1.0	+1.5	11,786	11,438	11,372	11,098	+6.2	67,307	65,75
Blast furnaces, steel mills	4,732	4,665	4,713	+1.4	-1.0	+0.5	4,978	4,802	4,830	4,706	+5.8	28,825	27,63
Iron and steel foundries	1,023	1,002	980	+2.1	+2.2	-1.4	1,119	1,087	1,026	997	+12.2	6,071	5,59
Nonferrous and other primary metals	5,523	5,556	5,419	-0.6	+2.5	+2.9	5,689	5,549	5,516	5,395	+5.4	32,411	32,53
Fabricated metal products	13,359	13,044	13,136	+2.4	-0.7	+1.4	14,354	13,506	13,233	13,932	+3.0	79,429	77,85
Industrial machinery and equipment	21,716	20,622	20,616	+5.3	0.0	-1.2	25,247	20,094	20,116	23,684	+6.6	125,303	123,30
Engines and turbines	1,716	1,604	1,535	+7.0	+4.5	-0.6	1,888	1,514	1,437	2,131	-11.4	9,075	8,86
Farm and garden machinery	1,080	1,125	1,158	-4.0	-2.8	-4.4	1,099	1,248	1,431	1,323	-16.9	7,758	7,93
Construction, mining and material handling equipment	2,432	2,235	2,220	+8.8	+0.7	+2.6	2,612	2,294	2,355	2,734	-4.5	13,652	15,85
Metalworking machinery	2,221	2,105	2,150	+5.5	-2.1	-2.1	2,512	2,044	1,984	2,236	+12.3	12,672	11,60
Computer and office equipment	6,136	5,858	5,843	+4.7	+0.3	+1.8	8,179	5,092	4,702	6,824	+19.9	33,976	30,0
Electronic and other electrical equipment	17,361	17,157	17,184	+1.2	-0.2	-0.4	18,659	16,887	16,508	17,842	+4.6	101,507	97,15
Electrical transmission and distribution equipment and industrial apparatus	2,329	2,350	2,303	-0.9	+2.0	+0.4	2,525	2,366	2,303	2,573	-1.9	14,012	13,9
Household appliances	1,524	1,548	1,553	-1.6	-0.3	+2.2	1,724	1,606	1,600	1,754	-1.7	9,253	9,1
Electric lighting and wiring equipment	1,775	1,732	1,744	+2.5	-0.7	+0.1	1,851	1,700	1,637	1,661	+11.4	10,122	9,5
Household audio and video equipment	937	1,050	1,079	-10.8	-2.7	+3.7	984	839	858	815	+20.7	5,404	4,4
Communications equipment	3,749	3,581	3,543	+4.7	+1.1	-4.5	4,147	3,557	3,366	3,725	+11.3	21,623	19,8
Electronic components	5,305	5,219	5,256	+1.6	-0.7	+0.6	5,581	5,246	5,269	5,405	+3.3	31,816	30,8
Transportation equipment	32,947	31,880	32,488	+3.3	-1.9	-0.4	35,702	34,335	33,610	32,848	+8.7	197,224	176,6
Motor vehicles and parts	19,630	19,775	19,472	-0.7	+1.6	+1.8	21,126	22,227	20,735	18,415	+14.7	120,053	100,6
Aircraft, missiles, space vehicles, and parts	11,055	9,912	10,754	+11.5	-7.8	-1.9	12,257	9,843	10,494	12,117	+1.2	63,424	62,3
Shipbuilding and tanks	1,023	1,036	1,059	-1.3	-2.2	-13.6	1,045	1,027	1,007	1,138	-8.2	6,283	6,6
Instruments and related products	10,518	10,106	10,461	+4.1	-3.4	+1.3	11,318	10,036	9,962	11,132	+1.7	61,238	60,8
Search and navigation equipment	2,822	2,730	2,803	+3.4	-2.6	-0.1	2,994	2,649	2,553	3,225	-7.2	16,116	17,0
Measuring and controlling devices	2,658	2,518	2,627	+5.6	-4.1	-3.3	2,847	2,515	2,553	2,752	+3.5	15,919	15,3
Medical instruments and supplies	2,978	2,838	2,914	+4.9	-2.6	+1.5	3,145	2,816	2,843	2,871	+9.5	17,339	16,5
Photographic goods	1,709	1,690	1,787	+1.1	-5.4	+12.0	1,952	1,710	1,673	1,926	+1.3	9,805	10,0
All other durable goods	13,595	13,128	13,392	+3.6	-2.0	-1.4	14,734	13,373	13,487	13,475	+9.3	80,016	72,9
Nondurable goods industries	121,249	119,135	118,266	+1.8	+0.7	+0.9	126,375	118,931	117,040	120,621	+4.8	701,796	691,4
With unfilled orders	28,557	28,472	28,383	+0.3	+0.3	+0.2	29,239	27,773	28,262	28,607	+2.2	167,914	167,2
Food and kindred products	32,456	32,940	33,186	-1.5	-0.7	+2.5	33,693	33,567	32,300	33,504	+0.6	193,814	191,4
Meat products	7,458	7,586	7,344	-1.7	+3.3	+1.9	7,719	7,897	7,184	7,774	-0.7	43,819	45,0
Dairy products	4,341	4,332	4,337	+0.2	-0.1	+1.1	4,549	4,456	4,272	4,288	+6.1	25,552	24,2
Beverages	4,639	4,721	4,595	-1.7	+2.7	-4.8	5,307	5,137	4,685	5,174	+2.6	27,960	26,5
All other foods, except fats and oils	14,312	14,614	15,215	-2.1	-4.0	+5.3	14,412	14,390	14,464	14,688	-1.9	86,206	85,1
Tobacco products	3,469	2,165	2,111	+60.2	+2.6	-22.4	4,309	2,484	1,849	3,314	+30.0	15,630	15,7
Textile mill products	6,094	6,033	6,043	+1.0	-0.2	+0.1	6,672	6,002	5,917	6,198	+7.6	35,745	32,0
Broadwoven fabrics and other textiles	3,886	3,834	3,863	+1.4	-0.8	+0.2	4,166	3,888	3,775	3,840	+8.5	22,876	20,2
Paper and allied products	10,515	10,386	10,387	+1.2	0.0	-0.2	10,998	10,227	10,280	10,859	+1.3	62,580	62,7
Pulp, paper, and paperboard mill products	4,544	4,447	4,442	+2.2	+0.1	-0.6	4,689	4,388	4,382	4,602	+1.9	26,724	27,0
Paperboard containers and boxes	2,560	2,505	2,466	+2.2	+1.6	+0.4	2,639	2,513	2,492	2,446	+7.9	14,978	14,2
Miscellaneous converted paper products	3,411	3,434	3,479	-0.7	-1.3	-0.1	3,670	3,326	3,406	3,811	-3.7	20,878	20,5
Chemicals and allied products	25,328	24,958	24,502	+1.5	+1.9	+1.9	26,525	25,185	25,426	24,860	+6.7	149,756	147,7
Industrial chemicals	13,250	12,896	12,745	+2.7	+1.2	+2.9	13,701	13,032	13,101	12,858	+6.6	77,150	78,
Drugs, soaps, and toiletries	9,172	9,019	8,823	+1.7	+2.2	+2.1	9,603	8,387	8,453	8,749	+9.8	53,169	49,
Petroleum and coal products	14,529	13,640	13,213	+6.5	+3.2	+3.6	14,509	13,546	12,831	13,538	+7.2	74,872	79,
Rubber and plastics products	8,811	8,790	8,978	+0.2	-2.1	-0.7	9,548	9,060	9,195	9,258	+3.1	54,321	51,
All other nondurable goods	20,047	20,223	19,846	-0.9	+1.9	+0.3	20,121	18,860	19,242	19,090	+5.4	115,078	112,

[p] Preliminary. [r] Revised.

[1] Shipments and new orders are the totals for the period and are adjusted for trading-day and calendar-month variations.

Table 2. VALUE OF MANUFACTURERS' NEW ORDERS FOR INDUSTRY GROUPS
(Millions of dollars)

Industry	Seasonally adjusted						Not seasonally adjusted[1]						
	Monthly			Percent Change			Monthly				Percent change	Year to date	
	June 1992[p]	May 1992[r]	Apr. 1992	May-June	Apr.-May	Mar.-Apr.	June 1992[p]	May 1992[r]	Apr. 1992	June 1991	June 92/91	1992[p]	1991
All manufacturing industries	244,205	238,696	240,771	+2.3	-0.9	+1.3	258,696	240,441	239,643	241,984	+6.9	1,432,294	1,384,927
anufacturing industries													
vith unfilled orders	129,182	125,641	128,475	+2.8	-2.2	+1.5	137,155	124,421	126,776	127,749	+7.4	760,739	740,479
vithout defense capital goods	237,202	232,842	232,670	+1.9	+0.1	+0.8	251,797	235,477	232,874	234,178	+7.5	1,393,578	1,340,816
urable goods industries	123,091	119,808	122,393	+2.7	-2.1	+1.8	132,636	121,808	122,551	121,822	+8.9	729,972	692,142
Vith unfilled orders	100,760	97,416	99,980	+3.4	-2.6	+2.0	108,231	96,946	98,462	99,601	+8.7	592,299	571,917
one, clay, and glass products	5,351	5,340	5,339	+0.2	0.0	+6.8	5,878	5,523	5,467	5,428	+8.3	30,589	28,656
imary metals	11,424	11,117	11,061	+2.8	+0.5	+4.0	11,735	11,145	11,263	10,879	+7.9	67,158	63,607
Blast furnaces, steel mills	4,802	4,648	4,706	+3.3	-1.2	+1.5	4,884	4,647	4,773	4,510	+8.3	28,281	26,253
Iron and steel foundries	1,040	1,087	945	-4.3	+15.0	-3.8	1,117	1,127	1,008	996	+12.1	6,035	5,346
Nonferrous and other primary metals	5,582	5,382	5,410	+3.7	-0.5	+7.9	5,734	5,371	5,482	5,373	+6.7	32,842	32,008
bricated metal products	13,123	12,645	12,594	+3.8	+0.4	-1.1	13,968	13,039	12,740	13,467	+3.7	78,394	77,599
dustrial machinery and equipment	21,372	20,078	20,141	+6.4	-0.3	-2.3	24,674	19,645	19,720	22,303	+10.6	124,107	121,072
Engines and turbines	1,929	1,737	1,362	+11.1	+27.5	-15.9	2,077	1,614	1,185	1,594	+30.3	8,890	8,753
Construction, mining and material handling equipment	2,341	2,289	2,038	+2.3	+12.3	-6.6	2,488	2,227	2,201	2,278	+9.2	13,518	14,771
Metalworking machinery	2,076	1,951	2,163	+6.4	-9.8	-1.9	2,367	1,890	1,997	2,166	+9.3	12,715	11,284
Computer and office equipment	5,955	5,784	5,513	+3.0	+4.9	-1.2	7,852	5,227	4,520	6,725	+16.8	33,058	30,661
ectronic and other lectrical equipment	17,467	17,081	17,170	+2.3	-0.5	+2.6	18,348	16,840	16,801	16,138	+13.7	101,928	97,239
Electrical transmission and distribution equipment and industrial apparatus	2,272	2,268	2,350	+0.2	-3.5	+7.7	2,412	2,268	2,354	2,333	+3.4	13,883	13,850
Electric lighting and wiring equipment	1,700	1,715	1,802	-0.9	-4.8	+8.7	1,776	1,683	1,695	1,660	+7.0	10,009	9,714
Communications equipment	3,804	3,688	3,341	+3.1	+10.4	-15.5	4,244	3,588	3,122	3,599	+17.9	21,578	18,704
Electronic components	5,502	5,208	5,262	+5.6	-1.0	+13.3	5,522	5,349	5,662	4,387	+25.9	32,444	31,520
nsportation equipment	31,429	30,810	32,984	+2.0	-6.6	+5.7	33,493	32,306	33,839	29,857	+12.2	188,365	172,370
Aircraft, missiles, space vehicles, and parts	9,837	8,886	10,535	+10.7	-15.7	+2.1	10,449	7,912	9,932	9,633	+8.5	55,214	58,498
Shipbuilding and tanks	403	803	1,512	-49.8	-46.9	+215.7	463	925	1,524	747	-38.0	4,520	6,996
truments and related products	9,184	9,550	9,597	-3.8	-0.5	-3.8	9,986	9,608	8,669	10,718	-6.8	57,798	58,121
earch and navigation equipment	1,833	2,102	2,008	-12.8	+4.7	-29.8	1,945	2,161	1,300	2,956	-34.2	13,577	14,642
Measuring and controlling devices	2,640	2,471	2,675	+6.8	-7.6	+4.9	2,829	2,468	2,601	2,789	+1.4	15,590	15,494
Medical instruments and supplies	2,682	2,864	2,834	-6.4	+1.1	+8.1	2,849	2,842	2,763	2,599	+9.6	16,746	15,927
other durable goods	13,741	13,187	13,507	+4.2	-2.4	+1.6	14,554	13,702	14,052	13,032	+11.7	81,633	73,478
ndurable goods industries	121,114	118,888	118,378	+1.9	+0.4	+0.8	126,060	118,633	117,092	120,162	+4.9	702,322	692,785
Vith unfilled orders	28,422	28,225	28,495	+0.7	-0.9	-0.3	28,924	27,475	28,314	28,148	+2.8	168,440	168,562

Preliminary. [r] Revised.

Shipments and new orders are the totals for the period and are adjusted for trading-day and calendar-month variations.

[1] When new orders for a prior month are negative because of cancellations, the percentage change calculation is algebraically negative, even though there is a net dollar increase from the prior onth to the current month.

Table 3. VALUE OF MANUFACTURERS' UNFILLED ORDERS FOR INDUSTRY GROUPS
(Millions of dollars)

Industry	Seasonally adjusted						Not seasonally adjusted				
	Monthly			Percent Change			Monthly				Percent change
	June 1992[p]	May 1992[r]	Apr. 1992	May-June	Apr.-May	Mar.-Apr.	June 1992[p]	May 1992[r]	Apr. 1992	June 1991	June 92/91
All manufacturing industries	490,389	493,502	496,285	-0.6	-0.6	-0.2	490,785	496,093	499,574	509,853	-3.7
Manufacturing industries without defense capital goods	355,140	357,230	358,027	-0.6	-0.2	-0.2	355,986	359,663	360,317	362,415	-1.8
Durable goods industries	467,360	470,338	472,874	-0.6	-0.5	-0.2	467,718	472,711	475,894	487,400	-4.0
Stone, clay, and glass products	6,860	6,804	6,648	+0.8	+2.3	+3.8	6,887	6,838	6,637	6,060	+13.6
Primary metals	20,875	20,729	20,835	+0.7	-0.5	-0.2	21,196	21,247	21,540	21,532	-1.6
Blast furnaces, steel mills	8,076	8,006	8,023	+0.9	-0.2	-0.1	8,003	8,097	8,252	8,327	-3.9
Iron and steel foundries	2,867	2,850	2,765	+0.6	+3.1	-1.3	2,864	2,866	2,826	2,953	-3.0
Nonferrous and other primary metals	9,932	9,873	10,047	+0.6	-1.7	-0.1	10,329	10,284	10,462	10,252	+0.8
Fabricated metal products	23,256	23,492	23,891	-1.0	-1.7	-2.2	23,213	23,599	24,066	25,120	-7.6
Industrial machinery and equipment	51,958	52,302	52,846	-0.7	-1.0	-0.9	51,875	52,448	52,897	54,686	-5.1
Engines and turbines	10,611	10,398	10,265	+2.0	+1.3	-1.7	10,359	10,170	10,070	9,064	+14.3
Construction, mining and material handling equipment	6,074	6,165	6,111	-1.5	+0.9	-2.9	6,031	6,155	6,222	6,427	-6.2
Metalworking machinery	7,960	8,105	8,259	-1.8	-1.9	+0.2	7,960	8,105	8,259	7,415	+7.3
Computer and office equipment	8,280	8,461	8,535	-2.1	-0.9	-3.7	8,297	8,624	8,489	11,089	-25.2
Electronic and other electrical equipment	41,865	41,759	41,835	+0.3	-0.2	0.0	42,046	42,357	42,404	42,986	-2.2
Electrical transmission and distribution equipment and industrial apparatus	6,189	6,246	6,328	-0.9	-1.3	+0.7	6,148	6,261	6,359	6,387	-3.7
Electric lighting and wiring equipment	2,866	2,941	2,958	-2.6	-0.6	+2.0	2,866	2,941	2,958	2,709	+5.8
Communications equipment	14,373	14,318	14,211	+0.4	+0.8	-1.4	14,340	14,243	14,212	15,200	-5.7
Electronic components	14,047	13,850	13,861	+1.4	-0.1	0.0	14,398	14,457	14,354	14,161	+1.7
Transportation equipment	261,109	262,627	263,697	-0.6	-0.4	+0.2	260,734	262,943	264,972	271,028	-3.8
Aircraft, missiles, space vehicles, and parts.	227,059	228,277	229,303	-0.5	-0.4	-0.1	226,804	228,612	230,543	234,608	-3.3
Shipbuilding and tanks	25,651	26,271	26,504	-2.4	-0.9	+1.7	25,717	26,299	26,401	29,693	-13.4
Instruments and related products	53,595	54,929	55,485	-2.4	-1.0	-1.5	53,500	54,832	55,260	58,734	-8.9
Search and navigation equipment	36,577	37,566	38,194	-2.6	-1.6	-2.0	36,415	37,464	37,952	40,254	-9.5
Measuring and controlling devices	8,487	8,505	8,552	-0.2	-0.5	+0.6	8,487	8,505	8,552	9,042	-6.1
Medical instruments and supplies	7,601	7,897	7,871	-3.7	+0.3	-1.0	7,601	7,897	7,871	8,335	-8.8
All other durable goods	7,842	7,696	7,637	+1.9	+0.8	+1.5	8,267	8,447	8,118	7,254	+14.0
Nondurable goods industries	23,029	23,164	23,411	-0.6	-1.1	+0.5	23,067	23,382	23,680	22,453	+2.7

[p] Preliminary. [r] Revised.

Table 4. VALUE OF MANUFACTURERS' INVENTORIES FOR INDUSTRY GROUPS
(Millions of dollars)

Industry	Seasonally adjusted						Not seasonally adjusted				
	Monthly			Percent Change			Monthly				Percent change June 92/91
	June 1992[P]	May 1992[r]	Apr. 1992	May-June	Apr.-May	Mar.-Apr.	June 1992[P]	May 1992[r]	Apr. 1992	June 1991	
All manufacturing industries	382,881	383,286	382,206	-0.1	+0.3	-0.3	381,120	385,623	384,499	389,428	-2.1
lanufacturing industries											
vith unfilled orders	256,794	257,858	258,060	-0.4	-0.1	-0.4	257,056	260,538	260,040	269,066	-4.5
vithout defense capital goods	349,190	348,572	347,517	+0.2	+0.3	-0.1	347,316	350,683	349,738	350,802	-1.0
urable goods industries	241,570	242,447	242,512	-0.4	0.0	-0.5	240,839	244,562	244,122	252,431	-4.6
With unfilled orders	223,114	224,165	224,307	-0.5	-0.1	-0.6	222,942	226,387	225,888	234,651	-5.0
one, clay, and glass products	7,972	7,924	7,903	+0.6	+0.3	-0.2	8,016	8,092	8,088	8,116	-1.2
rimary metals	19,854	19,835	19,864	+0.1	-0.1	-0.2	19,768	19,861	19,879	21,203	-6.8
Blast furnaces, steel mills	9,829	9,748	9,737	+0.8	+0.1	-1.2	9,662	9,679	9,623	10,299	-6.2
Iron and steel foundries	1,421	1,416	1,420	+0.4	-0.3	+2.7	1,442	1,452	1,469	1,450	-0.6
Nonferrous and other primary metals	8,604	8,671	8,707	-0.8	-0.4	+0.6	8,664	8,730	8,787	9,454	-8.4
ibricated metal products	23,002	22,982	22,750	+0.1	+1.0	+0.1	23,150	23,272	23,044	23,507	-1.5
dustrial machinery and equipment	44,875	45,057	45,122	-0.4	-0.1	-0.4	44,460	45,662	45,400	48,004	-7.4
Engines and turbines	3,383	3,481	3,528	-2.8	-1.3	+0.1	3,396	3,547	3,536	3,539	-4.0
Farm and garden machinery	2,312	2,254	2,241	+2.6	+0.6	-1.1	2,273	2,274	2,275	2,428	-6.4
Construction, mining and material handling equipment	6,006	6,019	6,052	-0.2	-0.5	-2.1	6,036	6,096	6,142	6,978	-13.5
Metalworking machinery	5,578	5,527	5,579	+0.9	-0.9	-1.4	5,533	5,622	5,643	5,705	-3.0
Computer and office equipment	9,468	9,573	9,554	-1.1	+0.2	-0.5	9,108	9,776	9,539	9,905	-8.0
ectronic and other lectrical equipment	30,999	30,871	30,919	+0.4	-0.2	-0.2	31,257	31,429	31,265	31,999	-2.3
Electrical transmission and distribution equipment and industrial apparatus	4,264	4,311	4,284	-1.1	+0.6	+0.1	4,265	4,365	4,352	4,525	-5.7
Household appliances	2,758	2,716	2,742	+1.5	-0.9	-1.4	2,857	2,913	2,890	2,829	+1.0
Electric lighting and wiring equipment	2,964	2,960	2,968	+0.1	-0.3	+0.1	3,062	3,047	3,018	3,199	-4.3
Household audio and video equipment	1,272	1,269	1,255	+0.2	+1.1	-1.4	1,310	1,286	1,239	1,086	+20.6
Communications equipment	7,407	7,329	7,305	+1.1	+0.3	+0.6	7,367	7,411	7,311	7,294	+1.0
Electronic components	8,808	8,769	8,849	+0.4	-0.9	-0.8	8,852	8,805	8,860	9,508	-6.9
nsportation equipment	70,477	71,531	71,892	-1.5	-0.5	-1.6	69,897	71,646	72,143	75,096	-6.9
Motor vehicles and parts	12,322	12,284	12,336	+0.3	-0.4	-0.4	11,716	11,937	12,267	12,018	-2.5
Aircraft, missiles, space vehicles, and parts	53,762	54,851	55,129	-2.0	-0.5	-1.9	53,749	55,269	55,463	58,809	-8.6
hipbuilding and tanks	2,066	2,068	2,091	-0.1	-1.1	-0.8	2,097	2,108	2,110	1,994	+5.2
ruments and related products	23,884	23,874	23,890	0.0	-0.1	-0.5	23,956	24,229	24,134	25,144	-4.7
earch and navigation equipment	7,524	7,584	7,672	-0.8	-1.1	-1.8	7,542	7,691	7,751	8,655	-12.9
Measuring and controlling devices	6,682	6,706	6,680	-0.4	+0.4	+0.2	6,675	6,768	6,693	6,972	-4.3
Medical instruments and supplies	6,138	6,079	6,032	+1.0	+0.8	+1.0	6,163	6,203	6,127	5,921	+4.1
hotographic goods	2,895	2,863	2,851	+1.1	+0.4	-1.1	2,909	2,915	2,893	2,882	+0.9
other durable goods	20,507	20,373	20,172	+0.7	+1.0	+1.2	20,335	20,371	20,169	19,362	+5.0
Nondurable goods industries	141,311	140,839	139,694	+0.3	+0.8	+0.2	140,281	141,061	140,377	136,997	+2.4
Vith unfilled orders	33,680	33,693	33,753	0.0	-0.2	+0.4	34,114	34,151	34,152	34,415	-0.9
d and kindred products	30,516	30,309	29,849	+0.7	+1.5	-1.4	28,955	29,115	29,137	27,806	+4.1
Meat products	2,788	2,738	2,633	+1.8	+4.0	-3.6	2,802	2,777	2,732	2,823	-0.7
airy products	2,916	2,828	2,737	+3.1	+3.3	+3.3	2,951	2,870	2,784	2,465	+19.7
everages	5,588	5,553	5,456	+0.6	+1.8	+0.2	5,566	5,569	5,536	5,277	+5.5
ll other foods, except fats and oils	17,534	17,538	17,483	0.0	+0.3	-2.2	16,061	16,290	16,490	15,721	+2.2
acco products	6,461	6,843	6,630	-5.6	+3.2	+2.0	6,060	6,619	6,783	5,944	+2.0
ile mill products	8,991	8,849	8,763	+1.6	+1.0	+0.1	9,090	9,147	8,949	8,619	+5.5
oadwoven fabrics and other textiles	5,162	5,121	5,122	+0.8	0.0	-0.6	5,188	5,256	5,230	5,201	-0.2
r and allied products	13,795	13,759	13,738	+0.3	+0.2	+0.8	13,915	13,940	13,942	13,536	+2.8
lp, paper, and aperboard mill products	5,773	5,731	5,680	+0.7	+0.9	+1.7	5,773	5,820	5,786	5,319	+8.5
perboard containers and boxes	3,278	3,285	3,246	-0.2	+1.2	0.0	3,265	3,286	3,283	3,218	+1.5
iscellaneous converted aper products	4,744	4,743	4,812	0.0	-1.4	+0.1	4,877	4,834	4,873	4,999	-2.4
hnicals and allied products	34,125	34,033	33,997	+0.3	+0.1	+0.2	34,023	34,276	34,433	33,504	+1.5
dustrial chemicals	17,296	17,148	17,050	+0.9	+0.6	-0.8	17,261	17,194	17,216	17,489	-1.3
rugs, soaps, and toiletries	12,467	12,492	12,464	-0.2	+0.2	+1.5	12,617	12,735	12,581	11,764	+7.3
oleum and coal products	11,828	11,473	11,206	+3.1	+2.4	+0.8	11,867	11,595	11,151	12,070	-1.7
ber and plastics products	11,029	10,957	10,910	+0.7	+0.4	+0.2	10,936	11,094	11,106	11,359	-3.7
ll other nondurable goods	24,566	24,616	24,601	-0.2	+0.1	+0.9	25,435	25,275	24,876	24,159	+5.3

P eliminary. r Revised.

Table 5. VALUE OF MANUFACTURERS' SHIPMENTS AND NEW ORDERS FOR TOPICAL SERIES[1]
(Millions of dollars)

Industry	Seasonally adjusted						Not seasonally adjusted [2]						
	Monthly			Percent Change			Monthly				Percent change	Year to date	
	June 1992[p]	May 1992[r]	Apr. 1992	May-June	Apr.-May	Mar.-Apr.	June 1992[p]	May 1992[r]	Apr. 1992	June 1991	June 92/91	1992[p]	1991
SHIPMENTS													
All manufacturing industries	247,318	241,479	241,749	+2.4	-0.1	+0.4	264,004	243,922	240,550	249,871	+5.7	1,443,774	1,393,74
Market categories :													
Automotive equipment	9,752	9,808	9,723	-0.6	+0.9	+2.1	10,471	10,987	10,446	9,211	+13.7	59,713	50,60
Home goods and apparel	16,466	16,497	16,314	-0.2	+1.1	+0.2	17,366	15,359	15,423	15,631	+11.1	94,500	84,78
Consumer staples	56,250	54,600	54,288	+3.0	+0.6	+0.9	58,694	54,759	52,683	56,283	+4.3	321,602	319,91
Machinery and equipment	41,041	38,751	39,299	+5.9	-1.4	-1.6	46,128	39,043	38,877	43,095	+7.0	237,983	226,88
Business supplies	19,260	19,058	18,885	+1.1	+0.9	+0.8	19,646	18,966	19,295	19,286	+1.9	111,911	115,03
Construction materials and supplies	15,395	15,249	15,226	+1.0	+0.2	+1.0	16,937	15,689	15,251	15,397	+10.0	89,770	82,07
Defense products	8,205	8,101	8,448	+1.3	-4.1	-0.6	8,660	8,095	8,061	8,933	-3.1	48,748	48,91
Other materials, supplies and and intermediate products	80,949	79,415	79,566	+1.9	-0.2	+0.9	86,102	81,024	80,514	82,035	+5.0	479,547	465,51
Durable goods industries :													
Nondefense capital goods [3]	32,964	30,603	30,896	+7.7	-0.9	-3.3	37,832	29,726	29,762	35,348	+7.0	187,476	181,40
Excluding aircraft and parts	26,259	24,955	24,846	+5.2	+0.4	-1.8	30,304	24,148	23,740	28,276	+7.2	150,174	145,79
Defense capital goods [4]	8,026	7,840	8,386	+2.4	-6.5	+1.1	8,530	7,791	7,897	8,977	-5.0	47,548	48,51
Durables excluding capital goods	85,079	83,901	84,201	+1.4	-0.4	+1.1	91,267	87,474	85,851	84,925	+7.5	506,954	472,37
Miscellaneous series :													
Producers' durable equipment	79,530	76,345	77,038	+4.2	-0.9	-0.4	87,631	78,419	77,091	80,935	+8.3	466,693	436,14
Household durable goods	7,010	7,018	7,094	-0.1	-1.1	+0.9	7,361	6,758	6,878	6,795	+8.3	41,106	38,12
Information technology industries	14,449	13,800	13,987	+4.7	-1.3	+0.6	17,374	13,027	12,459	15,574	+11.6	82,502	77,05
Health care equipment and products	7,957	7,736	7,708	+2.9	+0.4	+1.8	8,360	7,381	7,443	7,631	+9.6	46,234	43,57
NEW ORDERS													
All manufacturing industries	244,205	238,696	240,771	+2.3	-0.9	+1.3	258,696	240,441	239,643	241,984	+6.9	1,432,294	1,384,97
Market categories :													
Automotive equipment	9,739	9,822	9,775	-0.8	+0.5	+3.0	10,408	10,968	10,505	9,156	+13.7	59,720	50,6
Home goods and apparel	16,457	16,347	16,477	+0.7	-0.8	+3.9	17,162	15,316	15,857	15,442	+11.1	95,797	86,4
Consumer staples	56,259	54,593	54,294	+3.1	+0.6	+0.9	58,773	54,678	52,694	56,399	+4.2	321,561	319,8
Machinery and equipment	39,422	39,213	38,249	+0.5	+2.5	-4.0	44,207	39,675	38,066	38,531	+14.7	234,735	220,4
Business supplies	19,345	19,044	18,798	+1.6	+1.3	-0.1	19,623	19,064	19,193	19,158	+2.4	111,941	115,0
Construction materials and supplies	15,356	15,209	15,313	+1.0	-0.7	+2.1	16,833	15,639	15,401	15,417	+9.2	89,935	82,5
Defense products	7,519	6,294	8,191	+19.5	-23.2	+16.8	7,393	5,536	6,776	7,728	-4.3	40,202	44,2
Other materials, supplies and and intermediate products	80,108	78,174	79,674	+2.5	-1.9	+2.4	84,297	79,565	81,151	80,153	+5.2	478,403	465,7
Durable goods industries :													
Nondefense capital goods [3]	31,160	30,469	29,901	+2.3	+1.9	-7.0	35,648	29,701	28,897	31,287	+13.9	183,422	175,8
Excluding aircraft and parts	25,995	24,683	24,288	+5.3	+1.6	-2.9	29,660	23,985	23,312	25,920	+14.4	149,754	141,6
Defense capital goods [4]	7,003	5,854	8,101	+19.6	-27.7	+20.4	6,899	4,964	6,769	7,806	-11.6	38,716	44,1
Durables excluding capital goods	84,928	83,485	84,391	+1.7	-1.1	+3.8	90,089	87,143	86,885	82,729	+8.9	507,834	472,2
Miscellaneous series :													
Producers' durable equipment	78,249	76,831	76,045	+1.8	+1.0	+0.4	85,276	79,021	76,719	74,451	+14.5	463,059	429,2
Household durable goods	6,956	6,905	7,269	+0.7	-5.0	+8.3	7,237	6,615	7,364	6,730	+7.5	42,125	39,1
Information technology industries	14,007	13,812	13,402	+1.4	+3.1	-1.6	16,820	13,239	12,012	15,136	+11.1	81,137	76,7
Health care equipment and products	7,661	7,761	7,628	-1.3	+1.7	+4.2	8,065	7,407	7,363	7,358	+9.6	45,642	42,9

[p] Preliminary. [r] Revised.

[1] Topical series are regroupings of the separate industry categories.

[2] Shipments and new orders are the totals for the period and are adjusted for trading-day and calendar-month variations.

[3] Nondefense capital goods industries include : ordnance and accessories; steam, gas and hydraulic turbines; internal combustion engines; construction, mining, and material handling equipme metalworking machinery; special industry machinery; general industrial machinery; computer and office equipment; refrigeration, heating and service industry machinery; electrical transmission e distribution equipment; electrical industrial apparatus; communications equipment; aircraft, missiles, space vehicles, and engines and parts; ships and tank components; railroad equipment; and sea and navigation equipment.

[4] Defense capital goods industries include : ordnance and accessories; communications equipment; aircraft, missiles, space vehicles, and engines and parts; ships, tanks and tank components; s search and navigation equipment.

Table 6. VALUE OF MANUFACTURERS' UNFILLED ORDERS AND TOTAL INVENTORIES FOR TOPICAL SERIES[1]
(Millions of dollars)

Industry	Seasonally adjusted						Not seasonally adjusted				
	Monthly			Percent Change			Monthly				Percent change June 92/91
	June 1992[p]	May 1992[r]	Apr. 1992	May-June	Apr.-May	Mar.-Apr.	June 1992[p]	May 1992[r]	Apr. 1992	June 1991	
UNFILLED ORDERS											
All manufacturing industries	490,389	493,502	496,285	-0.6	-0.6	-0.2	490,785	496,093	499,574	509,853	-3.7
Market categories :											
Automotive equipment	1,728	1,741	1,727	-0.7	+0.8	+3.0	1,680	1,744	1,763	1,523	+10.3
Home goods and apparel	9,277	9,286	9,437	-0.1	-1.6	+1.8	9,736	9,940	9,982	9,329	+4.4
Consumer staples	1,267	1,259	1,266	+0.6	-0.6	+0.5	1,243	1,165	1,247	1,269	-2.0
Machinery and equipment	210,565	212,185	211,722	-0.8	+0.2	-0.5	210,614	212,534	211,903	216,706	-2.8
Business supplies	5,791	5,707	5,721	+1.5	-0.2	-1.5	5,786	5,809	5,711	5,879	-1.6
Construction materials and supplies	13,968	14,007	14,048	-0.3	-0.3	+0.6	14,043	14,147	14,197	13,684	+2.6
Defense products	128,028	128,713	130,521	-0.5	-1.4	-0.2	127,477	128,744	131,303	138,563	-8.0
Other materials, supplies and and intermediate products	119,765	120,604	121,843	-0.7	-1.0	+0.1	120,206	122,010	123,468	122,900	-2.2
Durable goods industries :											
Nondefense capital goods [3]	230,765	232,569	232,703	-0.8	-0.1	-0.4	230,547	232,731	232,756	236,379	-2.5
Excluding aircraft and parts	74,461	74,725	74,997	-0.4	-0.4	-0.7	74,243	74,887	75,050	77,510	-4.2
Defense capital goods [4]	135,249	136,272	138,258	-0.8	-1.4	-0.2	134,799	136,430	139,257	147,438	-8.6
Durables excluding capital goods	101,346	101,497	101,913	-0.1	-0.4	+0.2	102,372	103,550	103,881	103,583	-1.2
Miscellaneous series :											
Producers' durable equipment	233,238	234,519	234,033	-0.5	+0.2	-0.4	233,129	235,484	234,882	243,037	-4.1
Household durable goods	5,147	5,201	5,314	-1.0	-2.1	+3.4	5,509	5,633	5,776	5,267	+4.6
Information technology industries	32,241	32,683	32,671	-1.4	0.0	-1.8	32,276	32,830	32,618	36,328	-11.2
Health care equipment and products	7,630	7,926	7,900	-3.7	+0.3	-1.0	7,630	7,926	7,899	8,363	-8.8
TOTAL INVENTORIES											
All manufacturing industries	382,881	383,286	382,206	-0.1	+0.3	-0.3	381,120	385,623	384,499	389,428	-2.1
Market categories :											
Automotive equipment	6,349	6,347	6,403	0.0	-0.9	-1.5	6,152	6,288	6,392	6,231	-1.3
Home goods and apparel	28,834	28,510	28,168	+1.1	+1.2	+0.8	29,763	29,594	28,622	26,567	+12.0
Consumer staples	58,642	58,697	57,963	-0.1	+1.3	+0.1	57,165	57,749	57,582	55,714	+2.6
Machinery and equipment	87,356	87,404	87,593	-0.1	-0.2	-0.5	86,931	88,609	88,504	90,775	-4.2
Business supplies	21,778	21,801	21,885	-0.1	-0.4	+0.1	21,868	21,868	22,039	22,595	-3.2
Construction materials and supplies	23,076	22,919	22,730	+0.7	+0.8	+0.5	23,121	23,195	22,973	22,906	+0.9
Defense products	31,351	32,310	32,632	-3.0	-1.0	-1.8	31,433	32,528	32,684	35,944	-12.6
Other materials, supplies and and intermediate products	125,495	125,298	124,832	+0.2	+0.4	-0.2	124,687	125,792	125,703	128,696	-3.1
Durable goods industries :											
Nondefense capital goods [3]	82,359	82,701	83,020	-0.4	-0.4	-0.6	81,969	83,855	83,777	86,743	-5.5
Excluding aircraft and parts	54,216	54,428	54,399	-0.4	+0.1	-0.2	53,952	55,324	54,834	57,256	-5.8
Defense capital goods [4]	33,691	34,714	34,689	-2.9	+0.1	-2.3	33,804	34,940	34,761	38,626	-12.5
Durables excluding capital goods	125,520	125,032	124,803	+0.4	+0.2	0.0	125,066	125,767	125,584	127,062	-1.6
Miscellaneous series :											
Producers' durable equipment	141,902	141,825	141,726	+0.1	+0.1	-0.2	141,226	143,382	143,003	145,206	-2.7
Household durable goods	13,077	12,946	12,857	+1.0	+0.7	+0.1	13,327	13,292	13,029	12,700	+4.9
Information technology industries	27,972	28,022	27,976	-0.2	+0.2	-0.1	27,572	28,476	28,054	28,717	-4.0
Health care equipment and products	12,912	12,864	12,801	+0.4	+0.5	+1.2	13,014	13,118	12,960	12,320	+5.6

See footnotes at end of table 5.

Table 7. VALUE OF MANUFACTURERS' INVENTORIES, BY STAGE OF FABRICATION, BY INDUSTRY GROUP
(Millions of dollars)

Industry	Seasonally adjusted						Not seasonally adjusted				
	Monthly			Percent Change			Monthly				Percent change June 92/91
	June 1992[p]	May 1992[r]	Apr. 1992	May-June	Apr.-May	Mar.-Apr.	June 1992[p]	May 1992[r]	Apr. 1992	June 1991	
MATERIALS AND SUPPLIES											
All manufacturing industries	119,784	118,795	118,415	+0.8	+0.3	+0.1	118,448	117,884	118,129	119,551	-0.9
Durable goods industries	67,237	66,735	66,535	+0.8	+0.3	0.0	66,535	66,156	66,105	68,585	-3.0
Stone, clay, and glass products	2,400	2,373	2,367	+1.1	+0.3	-1.3	2,396	2,373	2,354	2,493	-3.9
Primary metals	6,203	6,081	6,170	+2.0	-1.4	0.0	6,074	5,895	5,970	6,416	-5.3
Fabricated metal products	8,142	8,169	7,831	-0.3	+4.3	+0.2	8,112	8,124	7,787	8,203	-1.1
Industrial machinery and equipment	13,196	12,912	12,921	+2.2	-0.1	-1.1	13,105	12,851	12,878	13,866	-5.5
Electronic and other electrical equipment	9,299	9,217	9,189	+0.9	+0.3	+0.5	9,192	9,236	9,218	9,524	-3.5
Transportation equipment	13,138	13,278	13,540	-1.1	-1.9	-0.4	13,032	13,150	13,567	14,101	-7.6
Instruments and related products	7,002	6,960	6,899	+0.6	+0.9	+1.4	7,048	7,015	6,917	6,737	+4.6
Lumber, furniture and miscellaneous durable goods	7,857	7,745	7,618	+1.4	+1.7	+0.9	7,576	7,512	7,414	7,245	+4.6
Nondurable goods industries	52,547	52,060	51,880	+0.9	+0.3	+0.3	51,913	51,728	52,024	50,966	+1.9
Food and kindred products	10,217	10,163	10,174	+0.5	-0.1	+0.3	9,921	10,041	10,196	9,509	+4.3
Tobacco products	5,239	5,089	5,074	+2.9	+0.3	-0.8	4,939	4,976	5,090	4,563	+8.2
Textile mill products	2,747	2,691	2,676	+2.1	+0.6	+0.1	2,782	2,764	2,734	2,513	+10.7
Paper and allied products	6,965	6,954	6,927	+0.2	+0.4	+0.1	6,980	6,915	6,921	6,760	+3.3
Chemicals and allied products	11,796	11,567	11,570	+2.0	0.0	+0.3	11,811	11,503	11,580	11,684	+1.1
Petroleum and coal products	2,967	2,977	2,865	-0.3	+3.9	+2.5	2,984	2,999	2,907	3,233	-7.7
Rubber and plastics products	4,348	4,309	4,282	+0.9	+0.6	+0.7	4,230	4,265	4,274	4,298	-1.6
Apparel, printing and publishing and leather goods	8,268	8,310	8,312	-0.5	0.0	-0.1	8,266	8,265	8,322	8,406	-1.7
WORK IN PROCESS											
All manufacturing industries	135,136	136,338	136,582	-0.9	-0.2	-0.8	134,586	137,402	137,612	142,732	-5.7
Durable goods industries	112,365	113,727	114,004	-1.2	-0.2	-1.1	112,033	114,745	114,808	120,941	-7.4
Stone, clay, and glass products	1,137	1,134	1,109	+0.3	+2.3	+0.1	1,158	1,161	1,156	1,130	+2.5
Primary metals	7,617	7,633	7,484	-0.2	+2.0	+0.4	7,634	7,696	7,571	8,316	-8.2
Fabricated metal products	7,386	7,335	7,380	+0.7	-0.6	-0.5	7,344	7,427	7,499	7,621	-3.6
Industrial machinery and equipment	18,462	18,875	19,045	-2.2	-0.9	-0.3	18,242	19,219	19,173	20,309	-10.2
Electronic and other electrical equipment	12,827	12,879	12,990	-0.4	-0.9	-0.8	12,948	13,085	13,148	13,519	-4.2
Transportation equipment	49,379	50,196	50,236	-1.6	-0.1	-2.0	49,129	50,364	50,436	52,880	-7.1
Instruments and related products	11,285	11,406	11,516	-1.1	-1.0	-1.9	11,302	11,530	11,580	12,973	-12.9
Lumber, furniture and miscellaneous durable goods	4,272	4,269	4,244	+0.1	+0.6	+1.9	4,276	4,263	4,245	4,193	+2.0
Nondurable goods industries	22,771	22,611	22,578	+0.7	+0.1	+0.9	22,553	22,657	22,804	21,791	+3.5
Food and kindred products	3,413	3,396	3,425	+0.5	-0.8	+0.3	3,263	3,263	3,385	3,311	-1.4
Tobacco products	61	57	68	+7.0	-16.2	-20.0	45	46	55	51	-11.8
Textile mill products	2,509	2,491	2,439	+0.7	+2.1	+1.0	2,506	2,524	2,455	2,442	+2.6
Paper and allied products	1,077	1,088	1,128	-1.0	-3.5	-0.8	1,107	1,088	1,144	1,299	-14.8
Chemicals and allied products	5,479	5,484	5,473	-0.1	+0.2	+1.7	5,425	5,613	5,598	5,131	+5.7
Petroleum and coal products	3,102	3,010	3,021	+3.1	-0.4	-1.0	3,142	3,030	3,029	3,073	+2.2
Rubber and plastics products	1,474	1,501	1,521	-1.8	-1.3	+1.5	1,418	1,499	1,514	1,516	-6.5
Apparel, printing and publishing and leather goods	5,656	5,584	5,503	+1.3	+1.5	+2.1	5,647	5,594	5,624	4,968	+13.7
FINISHED GOODS											
All manufacturing industries	127,961	128,153	127,209	-0.1	+0.7	0.0	128,086	130,337	128,758	127,145	+0.7
Durable goods industries	61,968	61,985	61,973	0.0	0.0	+0.1	62,271	63,661	63,209	62,905	-1.0
Stone, clay, and glass products	4,435	4,417	4,427	+0.4	-0.2	+0.3	4,462	4,558	4,578	4,493	-0.7
Primary metals	6,034	6,121	6,210	-1.4	-1.4	-0.9	6,060	6,270	6,338	6,471	-6.4
Fabricated metal products	7,474	7,478	7,539	-0.1	-0.8	+0.7	7,694	7,721	7,758	7,683	+0.1
Industrial machinery and equipment	13,217	13,270	13,156	-0.4	+0.9	-0.1	13,113	13,592	13,349	13,829	-5.2
Electronic and other electrical equipment	8,873	8,775	8,740	+1.1	+0.4	0.0	9,117	9,108	8,899	8,956	+1.8
Transportation equipment	7,960	8,057	8,116	-1.2	-0.7	-0.6	7,736	8,132	8,140	8,115	-4.7
Instruments and related products	5,597	5,508	5,475	+1.6	+0.6	+0.3	5,606	5,684	5,637	5,434	+3.2
Lumber, furniture and miscellaneous durable goods	8,378	8,359	8,310	+0.2	+0.6	+1.2	8,483	8,596	8,510	7,924	+7.1
Nondurable goods industries	65,993	66,168	65,236	-0.3	+1.4	-0.1	65,815	66,676	65,549	64,240	+2.5
Food and kindred products	16,886	16,750	16,250	+0.8	+3.1	-2.7	15,771	15,811	15,556	14,986	+5.2
Tobacco products	1,161	1,697	1,488	-31.6	+14.0	+14.5	1,076	1,597	1,638	1,330	-19.1
Textile mill products	3,735	3,667	3,648	+1.9	+0.5	-0.4	3,802	3,859	3,760	3,664	+3.8
Paper and allied products	5,753	5,717	5,683	+0.6	+0.6	+1.9	5,828	5,937	5,877	5,477	+6.4
Chemicals and allied products	16,850	16,982	16,954	-0.8	+0.2	-0.3	16,787	17,160	17,255	16,689	+0.6
Petroleum and coal products	5,759	5,486	5,320	+5.0	+3.1	+0.9	5,741	5,566	5,215	5,764	-0.4
Rubber and plastics products	5,207	5,147	5,107	+1.2	+0.8	-0.7	5,288	5,330	5,318	5,545	-4.6
Apparel, printing and publishing and leather goods	10,642	10,722	10,786	-0.7	-0.6	+1.2	11,522	11,416	10,930	10,785	+6.8

[p] Prelimary. [r] Revised.

Table 8. RATIOS OF MANUFACTURES' INVENTORIES TO SHIPMENTS AND UNFILLED ORDERS TO SHIPMENTS, BY INDUSTRY GROUP
(Based on seasonally adjusted data)

Industry	Inventory / Shipments ratio				Unfilled Orders / Shipments ratio[1]			
	June 1992[p]	May 1992[r]	Apr. 1992	Mar. 1992	June 1992[p]	May 1992[r]	Apr. 1992	Mar. 1992
All manufacturing industries	1.55	1.59	1.58	1.59	3.71	3.84	3.83	3.84
Durable goods industries	1.92	1.98	1.96	1.97	4.51	4.71	4.68	4.68
Stone, clay, and glass products	1.51	1.53	1.55	1.60	1.41	1.43	1.42	1.41
Primary metals	1.76	1.77	1.79	1.82	1.85	1.85	1.88	1.91
Fabricated metal products	1.72	1.76	1.73	1.75	1.91	1.98	2.01	2.07
Industrial machinery and equipment	2.07	2.18	2.19	2.17	2.52	2.68	2.72	2.71
Electronic and other electrical equipment	1.79	1.80	1.80	1.80	2.41	2.43	2.43	2.43
Transportation equipment	2.14	2.24	2.21	2.24	13.16	14.09	13.55	13.20
Instruments and related products	2.27	2.36	2.28	2.32	5.10	5.44	5.30	5.45
Nondurable goods industries	1.17	1.18	1.18	1.19	0.81	0.81	0.82	0.82
Food and kindred products	0.94	0.92	0.90	0.93	(X)	(X)	(X)	(X)
Tobacco products	1.86	3.16	3.14	2.39	(X)	(X)	(X)	(X)
Textile mill products	1.48	1.47	1.45	1.45	(NA)	(NA)	(NA)	(NA)
Paper and allied products	1.31	1.32	1.32	1.31	(NA)	(NA)	(NA)	(NA)
Chemicals and allied products	1.35	1.36	1.39	1.41	(X)	(X)	(X)	(X)
Petroleum and coal products	0.81	0.84	0.85	0.87	(X)	(X)	(X)	(X)
Rubber and plastics products	1.25	1.25	1.22	1.21	(X)	(X)	(X)	(X)

[p] Preliminary. [r] Revised. (X) Not applicable. (NA) Not available.

[1] Excludes the following industries with no unfilled orders : Wood and lumber products; glass containers; metal cans, barrels and drums; farm and garden machinery; motor vehicle assembly operations; other transportation equipment; foods and related products; tobacco; knitting mill products; apparel and related products; chemicals; petroleum and coal products; and rubber and plastics products.

Table 9. REVISIONS TO PREVIOUSLY PUBLISHED MONTHLY PERCENT CHANGES
(Based on seasonally adjusted data)

Industry	Shipments			New orders			Unfilled orders			Inventories		
	June[1] 1992	June[2] 1987-1991	June 1991-May 1992	June[1] 1992	June[2] 1987-1991	June 1991-May 1992	June[1] 1992	June[2] 1987-1991	June 1991-May 1992	June[1] 1992	June[2] 1987-1991	June 1991-May 1992
All manufacturing industries	(X)	0.1	0.1	(X)	0.2	0.3	(X)	0.1	0.1	(X)	0.1	0.1
urable goods industries	0.2	0.1	0.2	0.4	0.4	0.6	0.1	0.1	0.1	(X)	0.1	0.1
Stone, clay, and glass products	(X)	0.5	0.9	(X)	0.7	1.5	(X)	0.7	0.7	(X)	0.4	0.2
Primary metals	0.0	0.6	0.2	0.0	0.7	0.7	0.0	0.4	0.3	(X)	0.3	0.1
Fabricated metal products	(X)	0.6	0.3	(X)	1.3	0.5	(X)	0.6	0.3	(X)	0.1	0.2
Industrial machinery and equipment	0.9	0.5	0.3	1.9	1.2	0.5	0.4	0.2	0.1	(X)	0.3	0.1
Electronic and other electrical equipment	0.2	0.2	0.3	0.1	0.7	1.1	0.1	0.1	0.3	(X)	0.2	0.1
Transportation equipment	0.1	0.3	0.4	0.1	1.1	1.3	0.0	0.2	0.1	(X)	0.1	0.4
Instruments and related products	(X)	0.4	0.7	(X)	1.2	0.8	(X)	0.5	0.1	(X)	0.1	0.1
ondurable goods industries	(X)	0.3	0.1	(X)	0.4	0.1	(X)	0.8	0.4	(X)	0.1	0.2
Food and kindred products	(X)	0.4	0.4	(X)	(X)	(X)	(X)	(X)	(X)	(X)	0.2	0.4
Tobacco products	(X)	0.2	2.5	(X)	(X)	(X)	(X)	(X)	(X)	(X)	0.1	0.1
Textile mill products	(X)	1.1	0.2	(X)	(NA)	(NA)	(X)	(NA)	(NA)	(X)	0.4	0.3
Paper and allied products	(X)	1.0	0.3	(X)	(NA)	(NA)	(X)	(NA)	(NA)	(X)	0.6	0.2
Chemicals and allied products	(X)	0.7	0.3	(X)	(X)	(X)	(X)	(X)	(X)	(X)	0.1	0.1
Petroleum and coal products	(X)	0.3	(X)	(X)	(X)	(X)	(X)	(X)	0.2	(X)	0.2	
Rubber and plastics products	(X)	1.1	0.4	(X)	(X)	(X)	(X)	(X)	(X)	(X)	0.3	0.2
pital goods industries :												
Nondefense	0.8	0.3	0.3	1.4	1.2	1.1	0.1	0.4	0.1	(X)	0.1	0.3
Defense	0.1	0.9	1.0	2.0	2.4	5.2	0.0	0.1	0.1	(X)	0.1	0.2

(X) Not applicable. (NA) Not available.

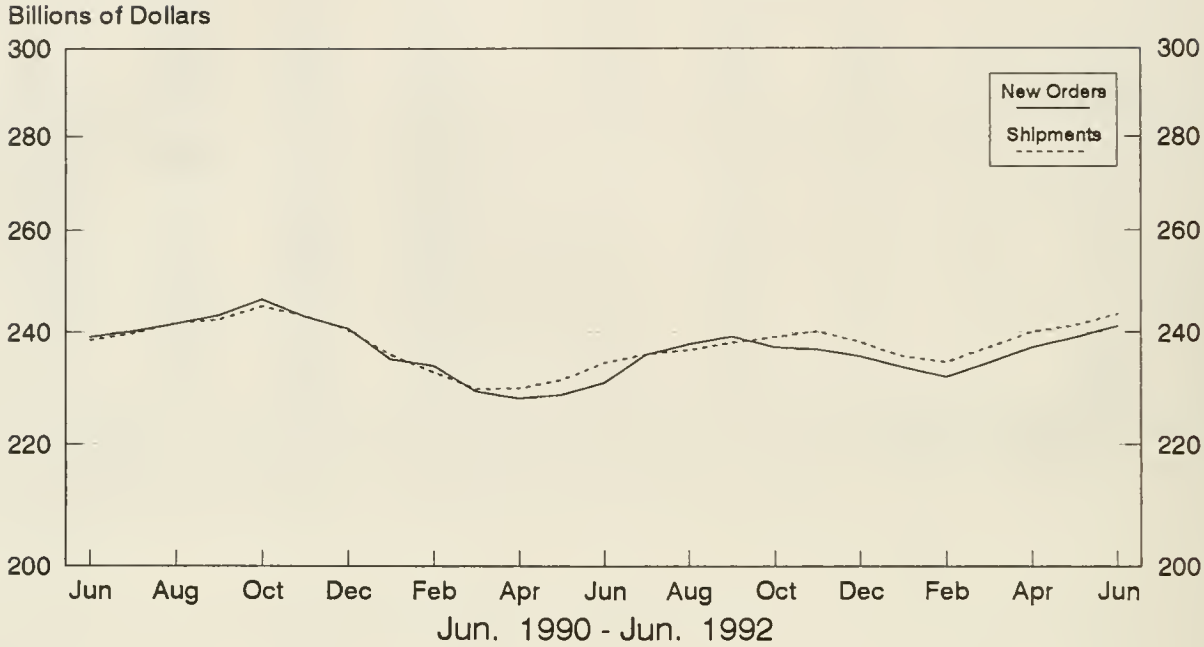
Note : The five year and the twelve month revisions are the differences between the month-to-month percent changes of the preliminary and final estimates. The monthly averages are the simple erages of the absolute values of the differences for the months specified. The advance to final percent change revisions for the durable goods industries are shown in the advance report for the month.

[1] The current month revisions are the difference between the advance precent change and the percent change as shown in this publication.

[2] Average for this month for the last five years.

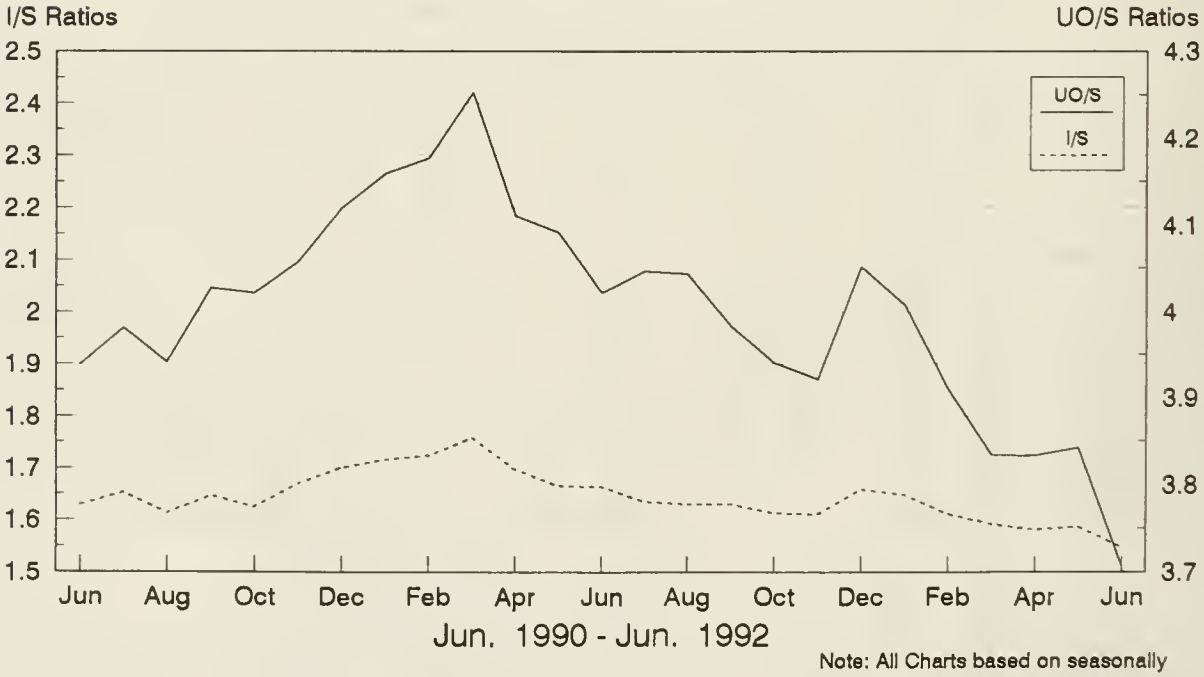
Total Manufacturing

New Orders and Shipments
Three Month Moving Averages



Total Manufacturing

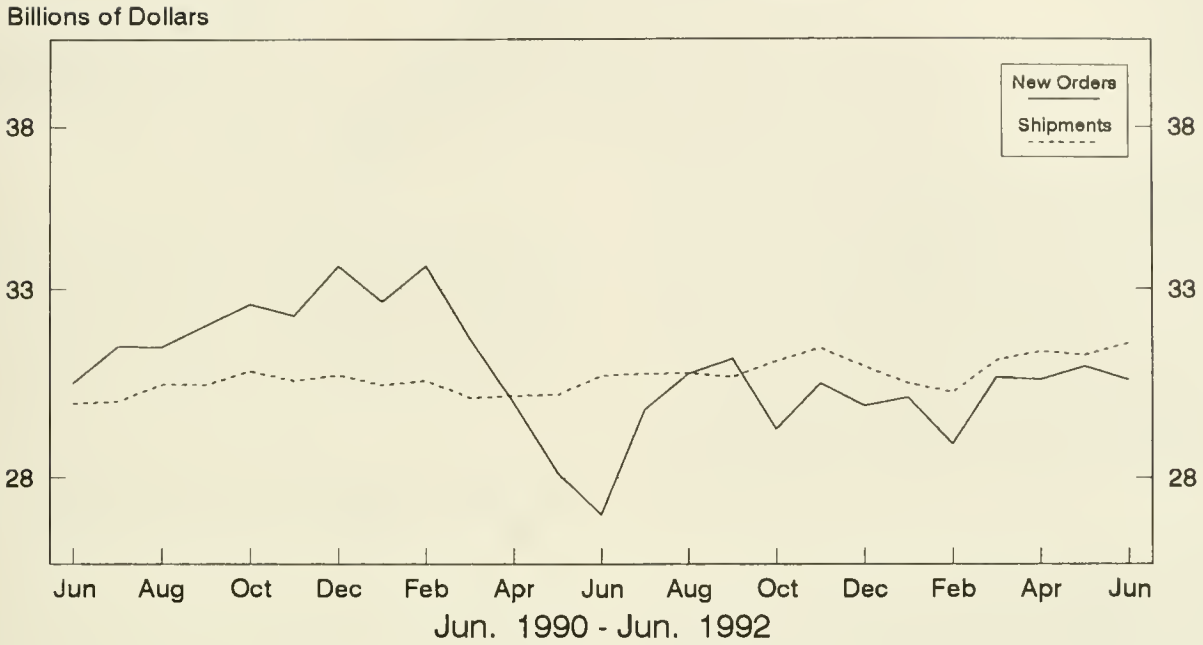
Ratio of Unfilled Orders and
Inventories to Shipments



Note: All Charts based on seasonally adjusted current dollars.

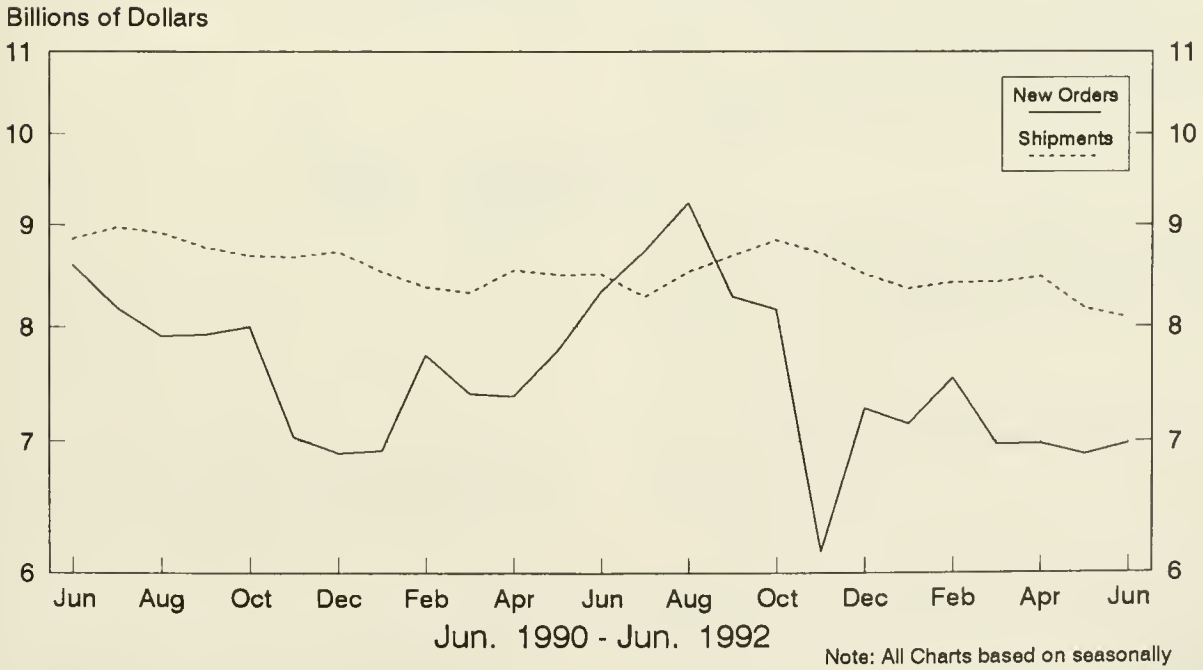
NonDefense Capital Goods

New Orders and Shipments
Three Month Moving Averages



Defense Capital Goods

New Orders and Shipments
Three Month Moving Averages



Note: All Charts based on seasonally adjusted current dollars.

U.S. Department of Commerce
BUREAU OF THE CENSUS
Washington, D.C. 20233

Official Business

Penalty for Private Use, $300

U.S.MAIL

POSTAGE AND FEES PA
U S DEPARTMENT OF COMMER

COM-2

First Class Mail

158: M-3-1(92)-7

nt Industrial Reports, Manufac...

Manufacturers' Shipments, Inventories, and Orders

July 1992

M3-1-(92)-7

U. S. Department of Commerce
BUREAU OF THE CENSUS

SUPERINTENDENT OF DOCUMENTS DEPOSITORY
DEC 2 1992
BOSTON PUBLIC LIBRARY GOVERNMENT DOCUMENTS DEPARTMENT

For Wire Transmissions 10:00 a.m. E.D.T. Wednesday, September 2, 1992

Steve Andrews or Kathy Menth
(301)763-2502 or (301)763-2575

Note: All figures in text are in seasonally adjusted current dollars

Summary

New orders for manufactured goods in July decreased $2.8 billion or 1.1 percent to $241.8 billion, the Department of Commerce, Bureau of the Census reported today. The July decrease follows a 2.4 percent increase in June and is the second decline in the last three months. Excluding defense, new orders were down $0.9 billion, the first decline since December 1991. New orders without transportation equipment increased $1.8 billion or 0.9 percent.

Shipments increased $1.0 billion or 0.4 percent to $248.3 billion, following a 2.4 percent increase in June. This is the sixth increase in the last seven months. Excluding defense, shipments increased $0.8 billion. Without transportation equipment, shipments were up $1.5 billion.

Unfilled orders decreased $6.5 billion or 1.3 percent to $484.3 billion and are at the lowest level since $481.0 billion in February 1989. This is the eleventh consecutive monthly decline. Excluding defense, unfilled orders decreased $3.6 billion. Without transportation equipment, unfilled orders declined $0.9 billion.

Inventories increased $0.1 billion to $383.0 billion. This follows a 0.1 percent decrease in June and a 0.3 percent increase in May. Without transportation equipment, inventories increased $1.1 billion. The inventories-to-shipments ratio decreased from 1.55 in June to 1.54 in July, the lowest on record.

New Orders

New orders for durable goods in July decreased $3.9 billion or 3.2 percent to $119.3 billion. The July decrease follows a 2.8 percent increase in June and 2.1 percent decrease in May. Transportation equipment had the largest decrease, down $4.6 billion or 14.7 percent to $26.8 billion; most of the decline was in aircraft and parts. Industrial machinery and equipment was down $0.4 billion or 2.1 percent to $20.8 billion. The largest increases occurred in instruments and related products, up $0.6 billion or 6.8 percent to $9.8 billion, and electronic and other electrical equipment, up $0.6 billion or 3.2 percent to $18.0 billion.

New orders for nondurable goods, up $1.1 billion or 0.9 percent to $122.5 billion, have increased for six consecutive months. Increases led by printing and publishing and food and kindred products more than offset declines in leather and leather products and tobacco products.

Shipments

Shipments of durable goods in July decreased $0.1 billion or 0.1 percent to $125.7 billion, following a 2.9 percent increase in June. The largest decrease occurred in industrial machinery and equipment, down $0.5 billion or 2.1 percent to $21.2 billion, with decreases in most categories. Transportation equipment was down $0.4 billion or 1.3 percent to $32.4 billion, due to motor vehicles and parts. Electronic and other electrical equipment had the largest increase, up $0.8 billion or 4.4 percent to $18.1 billion.

Shipments of nondurable goods were up $1.2 billion or 0.9 percent to $122.6 billion. This is the sixth consecutive monthly increase. Increases led by printing and publishing and food and kindred products more that offset a decline in tobacco products.

Unfilled Orders

Unfilled orders for durable goods in July decreased $6.4 billion or 1.4 percent to $461.2 billion and are at the lowest level since $459.2 billion in February 1989. This is the eleventh consecutive monthly decline. Transportation equipment had the largest decline, down $5.6 billion or 2.2 percent to $255.6 billion, with large decreases in aircraft and parts and shipbuilding and tanks. Transportation equipment has declined in ten of the last eleven months and is at the lowest level since $251.8 billion in November 1989. Instruments and related products was down $0.5 billion or 0.9 percent to $53.1 billion, the lowest level since $50.5 billion in December 1984. Industrial machinery and equipment, down $0.4 billion or 0.7 percent to $51.5 billion, has declined in nine of the last ten months and is at the lowest level since $51.2 billion in September 1987. Unfilled orders for nondurable goods declined $0.1 billion or 0.3 percent to $23.1 billion.

Inventories

Inventories for durable goods in July were down $0.9 billion or 0.4 percent to $241.0 billion and are at the lowest level since $237.4 billion in November 1988. This is the nineteenth decline in the last twenty months. Transportation equipment had the largest decline, down $1.0 billion or 1.4 percent to $69.9 billion, and has decreased for eight consecutive months.

Nondurable goods, up $1.0 billion or 0.7 percent to $142.0 billion, have increased for six consecutive months. The largest increases were in petroleum and coal products and tobacco products.

By stage of fabrication, finished-goods inventories were up 1.1 percent in durables and 0.9 percent in nondurables. Work in process declined 0.9 percent in durables and 0.2 percent in nondurables. Materials and supplies decreased 0.8 percent in durables and increased 0.9 percent in nondurables.

The advance report on durable goods for August is scheduled for September 25, 1992 at 8:30 a.m. and the full report on October 2, 1992 at 10:00 a.m. For sale by the Superintendent of Documents, U.S. Government Printing Office, Washington, DC 20402. This report is also available the day of issue through the Department of Commerce's online Economic Bulletin Board (N-8-1) (202-377-3870) and through the Census Bureau's online information service-CENDATA. CENDATA is available from Dialog Information Services, Inc. (1-800-334-2464) and CompuServe (1-800-848-8199). The CENDATA staff at the Bureau of the Census (301-763-2074) can provide content information and general guidance.

Table 1. VALUE OF MANUFACTURERS' SHIPMENTS FOR INDUSTRY GROUPS
(Millions of dollars)

Industry	Seasonally adjusted						Not seasonally adjusted[1]						
	Monthly			Percent Change			Monthly				Percent change	Year to date	
	July 1992[p]	June 1992[r]	May 1992	June-July	May-June	Apr.-May	July 1992[p]	June 1992[r]	May 1992	July 1991	July 92/91	1992[p]	1991
All manufacturing industries	248,264	247,252	241,479	+0.4	+2.4	-0.1	226,823	264,164	243,922	216,452	+4.8	1,670,757	1,610,197
Manufacturing Industries													
with unfilled orders	133,162	132,285	128,424	+0.7	+3.0	-0.8	119,369	142,510	127,902	114,071	+4.6	891,635	863,368
without defense capital goods	240,045	239,195	233,639	+0.4	+2.4	+0.1	219,629	255,620	236,131	209,305	+4.9	1,616,001	1,554,540
Durable goods industries	125,690	125,831	122,344	-0.1	+2.9	-0.9	110,044	137,601	124,991	105,131	+4.7	851,994	807,425
With unfilled orders	103,803	103,553	99,952	+0.2	+3.6	-1.1	91,883	113,167	100,129	87,376	+5.2	696,131	669,445
Stone, clay, and glass products	5,544	5,320	5,184	+4.2	+2.6	+1.8	5,394	5,833	5,322	4,822	+11.9	35,352	32,583
Primary metals	11,212	11,291	11,223	-0.7	+0.6	+1.0	10,414	11,818	11,438	10,003	+4.1	77,753	75,761
Blast furnaces, steel mills	4,650	4,731	4,665	-1.7	+1.4	-1.0	4,306	4,984	4,802	4,221	+2.0	33,137	31,857
Iron and steel foundries	951	1,014	1,002	-6.2	+1.2	+2.2	817	1,120	1,087	820	-0.4	6,889	6,411
Nonferrous and other primary metals	5,611	5,546	5,556	+1.2	-0.2	+2.5	5,291	5,714	5,549	4,962	+6.6	37,727	37,493
Fabricated metal products	13,340	13,411	13,044	-0.5	+2.8	-0.7	12,149	14,396	13,506	11,848	+2.5	91,620	89,704
Industrial machinery and equipment	21,163	21,622	20,622	-2.1	+4.8	0.0	18,280	25,167	20,094	17,445	+4.8	143,503	140,749
Engines and turbines	1,518	1,687	1,604	-10.0	+5.2	+4.5	1,136	1,865	1,514	1,233	-7.9	10,188	10,107
Farm and garden machinery	1,057	1,077	1,125	-1.9	-4.3	-2.8	800	1,099	1,248	864	-7.4	8,558	8,800
Construction, mining and material handling equipment	2,294	2,437	2,235	-5.9	+9.0	+0.7	2,200	2,635	2,294	2,167	+1.5	15,875	18,017
Metalworking machinery	2,103	2,210	2,105	-4.8	+5.0	-2.1	1,836	2,508	2,044	1,706	+7.6	14,504	13,364
Computer and office equipment	6,224	6,122	5,858	+1.7	+4.5	+0.3	4,687	8,125	5,092	3,947	+18.7	38,609	33,993
Electronic and other electrical equipment	18,062	17,293	17,157	+4.4	+0.8	-0.2	16,082	18,640	16,887	14,785	+8.8	117,570	111,97
Electrical transmission and distribution equipment and industrial apparatus	2,430	2,329	2,350	+4.3	-0.9	+2.0	2,158	2,524	2,366	1,978	+9.1	16,169	15,90
Household appliances	1,579	1,536	1,548	+2.8	-0.8	-0.3	1,517	1,737	1,606	1,441	+5.3	10,783	10,58
Electric lighting and wiring equipment	1,701	1,767	1,732	-3.7	+2.0	-0.7	1,454	1,860	1,700	1,421	+2.3	11,585	11,01
Household audio and video equipment	1,107	860	1,050	+28.7	-18.1	-2.7	881	929	839	729	+20.9	6,230	5,12
Communications equipment	4,232	3,768	3,581	+12.3	+5.2	+1.1	3,642	4,149	3,557	2,920	+24.7	25,267	22,78
Electronic components	5,433	5,312	5,219	+2.3	+1.8	-0.7	5,074	5,574	5,246	4,874	+4.1	36,883	35,70
Transportation equipment	32,393	32,835	31,880	-1.3	+3.0	-1.9	25,588	35,714	34,335	24,935	+2.6	222,824	201,61
Motor vehicles and parts	19,005	19,515	19,775	-2.6	-1.3	+1.6	13,534	21,134	22,227	13,307	+1.7	133,595	113,98
Aircraft, missiles, space vehicles, and parts	11,022	11,038	9,912	-0.1	+11.4	-7.8	9,858	12,262	9,843	9,588	+2.8	73,287	71,97
Shipbuilding and tanks	1,071	1,035	1,036	+3.5	-0.1	-2.2	1,017	1,045	1,027	1,048	-3.0	7,300	7,70
Instruments and related products	10,231	10,472	10,106	-2.3	+3.6	-3.4	9,261	11,300	10,036	9,420	-1.7	70,481	70,26
Search and navigation equipment	2,705	2,799	2,730	-3.4	+2.5	-2.6	2,292	2,988	2,649	2,448	-6.4	18,402	19,50
Measuring and controlling devices	2,616	2,647	2,518	-1.2	+5.1	-4.1	2,399	2,835	2,515	2,364	+1.5	18,306	17,70
Medical instruments and supplies	2,874	2,970	2,838	-3.2	+4.7	-2.6	2,716	3,145	2,816	2,707	+0.3	20,055	19,27
Photographic goods	1,680	1,702	1,690	-1.3	+0.7	-5.4	1,507	1,952	1,710	1,553	-3.0	11,312	11,59
All other durable goods	13,745	13,587	13,128	+1.2	+3.5	-2.0	12,876	14,733	13,373	11,873	+8.4	92,891	84,7
Nondurable goods industries	122,574	121,421	119,135	+0.9	+1.9	+0.7	116,779	126,563	118,931	111,321	+4.9	818,763	802,7
With unfilled orders	29,359	28,732	28,472	+2.2	+0.9	+0.3	27,486	29,343	27,773	26,695	+3.0	195,504	193,9
Food and kindred products	32,724	32,390	32,940	+1.0	-1.7	-0.7	31,396	33,670	33,567	30,917	+1.5	225,187	222,3
Meat products	7,425	7,419	7,586	+0.1	-2.2	+3.3	7,262	7,682	7,897	7,261	0.0	51,044	52,3
Dairy products	4,336	4,372	4,332	-0.8	+0.9	-0.1	4,336	4,595	4,456	4,107	+5.6	29,934	28,3
Beverages	4,598	4,631	4,721	-0.7	-1.9	+2.7	4,902	5,311	5,137	4,821	+1.7	32,866	31,3
All other foods, except fats and oils	14,693	14,261	14,614	+3.0	-2.4	-4.0	13,224	14,375	14,390	13,227	0.0	99,393	99,0
Tobacco products	3,288	3,522	2,165	-6.6	+62.7	+2.6	2,351	4,304	2,484	1,969	+19.4	17,976	17,1
Textile mill products	6,257	6,173	6,033	+1.4	+2.3	-0.2	5,422	6,760	6,002	5,043	+7.5	41,255	37,1
Broadwoven fabrics and other textiles	3,935	3,928	3,834	+0.2	+2.5	-0.8	3,341	4,213	3,888	3,145	+6.2	26,264	23,4
Paper and allied products	10,523	10,503	10,386	+0.2	+1.1	0.0	10,250	10,960	10,227	10,171	+0.8	72,792	72,3
Pulp, paper, and paperboard mill products	4,538	4,537	4,447	0.0	+2.0	+0.1	4,452	4,664	4,388	4,384	+1.6	31,151	31,4
Paperboard containers and boxes	2,589	2,568	2,505	+0.8	+2.5	+1.6	2,467	2,642	2,513	2,341	+5.4	17,448	16,5
Miscellaneous converted paper products	3,396	3,398	3,434	-0.1	-1.0	-1.3	3,331	3,654	3,326	3,446	-3.3	24,193	24,3
Chemicals and allied products	25,469	25,315	24,958	+0.6	+1.4	+1.9	24,071	26,486	25,185	22,702	+6.0	173,788	170,0
Industrial chemicals	13,284	13,214	12,896	+0.5	+2.5	+1.2	12,766	13,683	13,032	12,188	+4.7	89,898	90,3
Drugs, soaps, and toiletries	9,434	9,192	9,019	+2.6	+1.9	+2.2	8,764	9,581	8,387	7,828	+12.0	61,911	57,6
Petroleum and coal products	14,387	14,399	13,640	-0.1	+5.6	+3.2	14,296	14,523	13,546	13,177	+8.5	89,182	92,6
Rubber and plastics products	8,939	8,890	8,790	+0.6	+1.1	-2.1	8,611	9,640	9,060	8,424	+2.2	63,024	59,8
All other nondurable goods	20,987	20,229	20,223	+3.7	0.0	+1.9	20,382	20,220	18,860	18,918	+7.7	135,559	131,3

[p] Preliminary. [r] Revised.

[1] Shipments and new orders are the totals for the period and are adjusted for trading-day and calendar-month variations.

Table 2. VALUE OF MANUFACTURERS' NEW ORDERS FOR INDUSTRY GROUPS
(Millions of dollars)

Industry	Seasonally adjusted						Not seasonally adjusted[1]						
	Monthly			Percent Change			Monthly				Percent change	Year to date	
	July 1992[p]	June 1992[r]	May 1992	June-July	May-June	Apr.-May	July 1992[p]	June 1992[r]	May 1992	July 1991	July 92/91	1992[p]	1991
All manufacturing industries	241,763	244,542	238,696	-1.1	+2.4	-0.9	221,570	259,174	240,441	224,195	-1.2	1,654,342	1,609,122
Manufacturing industries													
With unfilled orders	126,661	129,575	125,641	-2.2	+3.1	-2.2	114,116	137,520	124,421	121,814	-6.3	875,220	862,293
Without defense capital goods	236,443	237,375	232,842	-0.4	+1.9	+0.1	217,325	252,235	235,477	216,874	+0.2	1,611,341	1,557,690
Durable goods industries	119,256	123,164	119,808	-3.2	+2.8	-2.1	104,496	132,795	121,808	112,602	-7.2	834,627	804,744
With unfilled orders	97,369	100,886	97,416	-3.5	+3.6	-2.6	86,335	108,361	96,946	94,847	-9.0	678,764	666,764
Stone, clay, and glass products	5,703	5,426	5,340	+5.1	+1.6	0.0	5,655	5,942	5,523	5,141	+10.0	36,308	33,797
Primary metals	11,284	11,505	11,117	-1.9	+3.5	+0.5	10,555	11,816	11,145	10,844	-2.7	77,794	74,451
Blast furnaces, steel mills	4,602	4,852	4,648	-5.2	+4.4	-1.2	4,409	4,952	4,647	5,095	-13.5	32,758	31,348
Iron and steel foundries	913	1,022	1,087	-10.7	-6.0	+15.0	764	1,116	1,127	853	-10.4	6,798	6,199
Nonferrous and other primary metals	5,769	5,631	5,382	+2.5	+4.6	-0.5	5,382	5,748	5,371	4,896	+9.9	38,238	36,904
Fabricated metal products	13,123	13,210	12,645	-0.7	+4.5	+0.4	12,267	14,026	13,039	12,040	+1.9	90,719	89,639
Industrial machinery and equipment	20,793	21,239	20,078	-2.1	+5.8	-0.3	17,847	24,600	19,645	17,616	+1.3	141,880	138,688
Engines and turbines	1,512	1,898	1,737	-20.3	+9.3	+27.5	1,287	2,054	1,614	1,917	-32.9	10,154	10,670
Construction, mining and material handling equipment	2,228	2,358	2,289	-5.5	+3.0	+12.3	2,135	2,529	2,227	2,048	+4.2	15,694	16,819
Metalworking machinery	2,143	2,063	1,951	+3.9	+5.7	-9.8	1,876	2,361	1,890	1,849	+1.5	14,585	13,133
Computer and office equipment	5,927	5,924	5,784	+0.1	+2.4	+4.9	4,438	7,812	5,227	3,991	+11.2	37,456	34,652
Electronic and other electrical equipment	18,035	17,477	17,081	+3.2	+2.3	-0.5	16,168	18,351	16,840	15,270	+5.9	118,099	112,509
Electrical transmission and distribution equipment and industrial apparatus	2,274	2,273	2,268	0.0	+0.2	-3.5	2,035	2,411	2,268	2,229	-8.7	15,917	16,079
Electric lighting and wiring equipment	1,663	1,679	1,715	-1.0	-2.1	-4.8	1,416	1,772	1,683	1,710	-17.2	11,421	11,424
Communications equipment	4,278	3,826	3,688	+11.8	+3.7	+10.4	3,757	4,246	3,588	2,773	+35.5	25,337	21,477
Electronic components	5,604	5,583	5,208	+0.4	+7.2	-1.0	5,137	5,518	5,349	4,768	+7.7	37,577	36,288
Transportation equipment	26,767	31,391	30,810	-14.7	+1.9	-6.6	19,724	33,515	32,306	29,266	-32.6	208,111	201,636
Aircraft, missiles, space vehicles, and parts	6,318	9,921	8,886	-36.3	+11.6	-15.7	4,740	10,457	7,912	14,268	-66.8	59,962	72,766
Shipbuilding and tanks	257	406	803	-36.7	-49.4	-46.9	268	463	925	619	-56.7	4,788	7,615
Instruments and related products	9,754	9,134	9,550	+6.8	-4.4	-0.5	9,018	9,964	9,608	10,015	-10.0	66,794	68,136
Search and navigation equipment	2,155	1,814	2,102	+18.8	-13.7	+4.7	2,037	1,937	2,161	2,916	-30.1	15,606	17,558
Measuring and controlling devices	2,654	2,627	2,471	+1.0	+6.3	-7.6	2,437	2,815	2,468	2,312	+5.4	18,013	17,806
Medical instruments and supplies	2,920	2,674	2,864	+9.2	-6.6	+1.1	2,762	2,849	2,842	2,859	-3.4	19,508	18,786
All other durable goods	13,797	13,782	13,187	+0.1	+4.5	-2.4	13,262	14,581	13,702	12,410	+6.9	94,922	85,888
Nondurable goods industries	122,507	121,378	118,888	+0.9	+2.1	+0.4	117,074	126,379	118,633	111,593	+4.9	819,715	804,378
With unfilled orders	29,292	28,689	28,225	+2.1	+1.6	-0.9	27,781	29,159	27,475	26,967	+3.0	196,456	195,529

[p] Preliminary. [r] Revised

[1] Shipments and new orders are the totals for the period and are adjusted for trading-day and calendar-month variations.

(n) When new orders for a prior month are negative because of cancellations, the percentage change calculation is algebraically negative, even though there is a net dollar increase from the prior month to the current month.

Table 3. VALUE OF MANUFACTURERS' UNFILLED ORDERS FOR INDUSTRY GROUPS
(Millions of dollars)

Industry	Seasonally adjusted						Not seasonally adjusted				
	Monthly			Percent Change			Monthly				Percen chang
	July 1992[p]	June 1992[r]	May 1992	June-July	May-June	Apr.-May	July 1992[p]	June 1992[r]	May 1992	July 1991	July 92/91
All manufacturing industries	484,291	490,792	493,502	-1.3	-0.5	-0.6	485,850	491,103	496,093	517,596	-6.1
Manufacturing industries without defense capital goods	351,808	355,410	357,230	-1.0	-0.5	-0.2	353,974	356,278	359,663	369,984	-4.3
Durable goods industries	461,237	467,671	470,338	-1.4	-0.6	-0.5	462,357	467,905	472,711	494,871	-6.0
Stone, clay, and glass products	7,069	6,910	6,804	+2.3	+1.6	+2.3	7,208	6,947	6,838	6,379	+13.0
Primary metals	21,015	20,943	20,729	+0.3	+1.0	-0.5	21,386	21,245	21,247	22,373	-4.4
Blast furnaces, steel mills	8,079	8,127	8,006	-0.6	+1.5	-0.2	8,168	8,065	8,097	9,201	-11.2
Iron and steel foundries	2,820	2,858	2,850	-1.3	+0.3	+3.1	2,809	2,862	2,866	2,986	-5.9
Nonferrous and other primary metals	10,116	9,958	9,873	+1.6	+0.9	-1.7	10,409	10,318	10,284	10,186	+2.2
Fabricated metal products	23,074	23,291	23,492	-0.9	-0.9	-1.7	23,347	23,229	23,599	25,312	-7.8
Industrial machinery and equipment	51,549	51,919	52,302	-0.7	-0.7	-1.0	51,448	51,881	52,448	54,857	-6.2
Engines and turbines	10,603	10,609	10,398	-0.1	+2.0	+1.3	10,510	10,359	10,170	9,748	+7.8
Construction, mining and material handling equipment	6,020	6,086	6,165	-1.1	-1.3	+0.9	5,984	6,049	6,155	6,308	-5.
Metalworking machinery	7,998	7,958	8,105	+0.5	-1.8	-1.9	7,998	7,958	8,105	7,558	+5.8
Computer and office equipment	7,966	8,263	8,461	-3.6	-2.3	-0.9	8,062	8,311	8,624	11,133	-27.
Electronic and other electrical equipment	41,916	41,943	41,759	-0.1	+0.4	-0.2	42,154	42,068	42,357	43,471	-3.
Electrical transmission and distribution equipment and industrial apparatus	6,034	6,190	6,246	-2.5	-0.9	-1.3	6,025	6,148	6,261	6,638	-9.
Electric lighting and wiring equipment	2,815	2,853	2,941	-1.3	-3.0	-0.6	2,815	2,853	2,941	2,998	-6.
Communications equipment	14,422	14,376	14,318	+0.3	+0.4	+0.8	14,455	14,340	14,243	15,053	-4.
Electronic components	14,292	14,121	13,850	+1.2	+2.0	-0.1	14,464	14,401	14,457	14,055	+2.
Transportation equipment	255,557	261,183	262,627	-2.2	-0.5	-0.4	254,880	260,744	262,943	275,359	-7.
Aircraft, missiles, space vehicles, and parts	222,456	227,160	228,277	-2.1	-0.5	-0.4	221,689	226,807	228,612	239,288	-7.
Shipbuilding and tanks	24,828	25,642	26,271	-3.2	-2.4	-0.9	24,968	25,717	26,299	29,264	-14.
Instruments and related products	53,114	53,591	54,929	-0.9	-2.4	-1.0	53,253	53,496	54,832	59,329	-10.
Search and navigation equipment	36,031	36,581	37,566	-1.5	-2.6	-1.6	36,158	36,413	37,464	40,722	-11.
Measuring and controlling devices	8,523	8,485	8,505	+0.4	-0.2	-0.5	8,523	8,485	8,505	8,990	-5.
Medical instruments and supplies	7,647	7,601	7,897	+0.6	-3.7	+0.3	7,647	7,601	7,897	8,487	-9.
All other durable goods	7,943	7,891	7,696	+0.7	+2.5	+0.8	8,681	8,295	8,447	7,791	+11.
Nondurable goods industries	23,054	23,121	23,164	-0.3	-0.2	-1.1	23,493	23,198	23,382	22,725	+3.

[p] Preliminary. [r] Revised.

Table 4. VALUE OF MANUFACTURERS' INVENTORIES FOR INDUSTRY GROUPS
(Millions of dollars)

Industry	Seasonally adjusted						Not seasonally adjusted				
	Monthly			Percent Change			Monthly				Percent change
	July 1992[p]	June 1992[r]	May 1992	June-July	May-June	Apr.-May	July 1992[p]	June 1992[r]	May 1992	July 1991	July 92/91
All manufacturing industries	382,993	382,854	383,286	0.0	-0.1	+0.3	383,326	381,008	385,623	389,375	-1.6
anufacturing industries											
ith unfilled orders	256,334	256,901	257,858	-0.2	-0.4	-0.1	258,092	257,051	260,538	269,102	-4.1
ithout defense capital goods	349,229	348,690	348,572	+0.2	0.0	+0.3	349,150	346,841	350,683	350,772	-0.5
urable goods industries	240,986	241,891	242,447	-0.4	-0.2	0.0	241,637	241,110	244,562	252,345	-4.2
With unfilled orders	222,727	223,473	224,165	-0.3	-0.3	-0.1	223,874	223,213	226,387	234,666	-4.6
one, clay, and glass products	7,933	7,955	7,924	-0.3	+0.4	+0.3	7,965	8,001	8,092	8,069	-1.3
imary metals	19,830	19,835	19,835	0.0	0.0	-0.1	19,833	19,750	19,861	21,039	-5.7
Blast furnaces, steel mills	9,832	9,816	9,748	+0.2	+0.7	+0.1	9,812	9,644	9,679	10,381	-5.5
Iron and steel foundries	1,416	1,420	1,416	-0.3	+0.3	-0.3	1,388	1,441	1,452	1,402	-1.0
Nonferrous and other primary metals	8,582	8,599	8,671	-0.2	-0.8	-0.4	8,633	8,665	8,730	9,256	-6.7
bricated metal products	23,239	22,973	22,982	+1.2	0.0	+1.0	23,186	23,127	23,272	23,001	+0.8
dustrial machinery and equipment	44,854	44,845	45,057	0.0	-0.5	-0.1	44,875	44,449	45,662	48,244	-7.0
Engines and turbines	3,469	3,381	3,481	+2.6	-2.9	-1.3	3,563	3,396	3,547	3,600	-1.0
Farm and garden machinery	2,321	2,313	2,254	+0.3	+2.6	+0.6	2,219	2,273	2,274	2,332	-4.8
Construction, mining and material handling equipment	5,974	6,005	6,019	-0.5	-0.2	-0.5	5,920	6,032	6,096	6,855	-13.6
Metalworking machinery	5,707	5,591	5,527	+2.1	+1.2	-0.9	5,718	5,534	5,622	5,752	-0.6
Computer and office equipment	9,337	9,438	9,573	-1.1	-1.4	+0.2	9,458	9,094	9,776	10,454	-9.5
ectronic and other lectrical equipment	30,903	31,009	30,871	-0.3	+0.4	-0.2	31,185	31,268	31,429	31,990	-2.5
Electrical transmission and distribution equipment and industrial apparatus	4,301	4,269	4,311	+0.7	-1.0	+0.6	4,301	4,266	4,365	4,412	-2.5
Household appliances	2,719	2,760	2,716	-1.5	+1.6	-0.9	2,705	2,859	2,913	2,711	-0.2
Electric lighting and wiring equipment	2,996	2,961	2,960	+1.2	0.0	-0.3	3,053	3,056	3,047	3,123	-2.2
Household audio and video equipment	1,253	1,263	1,269	-0.8	-0.5	+1.1	1,302	1,301	1,286	1,099	+18.5
Communications equipment	7,322	7,400	7,329	-1.1	+1.0	+0.3	7,367	7,369	7,411	7,431	-0.9
Electronic components	8,826	8,839	8,769	-0.1	+0.8	-0.9	8,950	8,875	8,805	9,629	-7.1
ansportation equipment	69,879	70,889	71,531	-1.4	-0.9	-0.5	70,137	70,228	71,646	75,436	-7.0
Motor vehicles and parts	12,020	12,284	12,284	-2.1	0.0	-0.4	11,731	11,718	11,937	12,146	-3.4
Aircraft, missiles, space vehicles, and parts	53,496	54,207	54,851	-1.3	-1.2	-0.5	53,954	54,077	55,269	58,960	-8.5
Shipbuilding and tanks	2,016	2,066	2,068	-2.4	-0.1	-1.1	2,102	2,097	2,108	2,056	+2.2
ltruments and related products	23,947	23,918	23,874	+0.1	+0.2	-0.1	24,153	23,976	24,229	25,190	-4.1
Search and navigation equipment	7,490	7,526	7,584	-0.5	-0.8	-1.1	7,639	7,542	7,691	8,741	-12.6
Measuring and controlling devices	6,687	6,695	6,706	-0.1	-0.2	+0.4	6,700	6,689	6,768	6,922	-3.2
Medical instruments and supplies	6,253	6,161	6,079	+1.5	+1.3	+0.8	6,253	6,169	6,203	5,955	+5.0
Photographic goods	2,871	2,890	2,863	-0.7	+0.9	+0.4	2,905	2,909	2,915	2,890	+0.5
other durable goods	20,401	20,467	20,373	-0.3	+0.5	+1.0	20,303	20,311	20,371	19,376	+4.8
ndurable goods industries	142,007	140,963	140,839	+0.7	+0.1	+0.8	141,689	139,898	141,061	137,030	+3.4
With unfilled orders	33,607	33,428	33,693	+0.5	-0.8	-0.2	34,218	33,838	34,151	34,436	-0.6
od and kindred products	30,562	30,531	30,309	+0.1	+0.7	+1.5	29,658	28,955	29,115	28,163	+5.3
Meat products	2,783	2,770	2,738	+0.5	+1.2	+4.0	2,772	2,787	2,777	2,812	-1.4
Dairy products	2,883	2,911	2,828	-1.0	+2.9	+3.3	2,972	2,951	2,870	2,480	+19.8
Beverages	5,670	5,614	5,553	+1.0	+1.1	+1.8	5,579	5,578	5,569	5,191	+7.5
All other foods, except fats and oils	17,542	17,551	17,538	-0.1	+0.1	+0.3	16,823	16,068	16,290	16,204	+3.8
bacco products	6,724	6,460	6,843	+4.1	-5.6	+3.2	6,307	6,060	6,619	6,119	+3.1
xtile mill products	9,077	8,942	8,849	+1.5	+1.1	+1.0	9,254	9,035	9,147	8,729	+6.0
Broadwoven fabrics and other textiles	5,311	5,124	5,121	+3.6	+0.1	0.0	5,385	5,133	5,256	5,249	+2.6
ber and allied products	13,555	13,554	13,759	0.0	-1.5	+0.2	13,561	13,662	13,940	13,388	+1.3
Pulp, paper, and paperboard mill products	5,727	5,763	5,731	-0.6	+0.6	+0.9	5,693	5,766	5,820	5,289	+7.6
Paperboard containers and boxes	3,296	3,275	3,285	+0.6	-0.3	+1.2	3,309	3,261	3,286	3,205	+3.2
Miscellaneous converted paper products	4,532	4,516	4,743	+0.4	-4.8	-1.4	4,559	4,635	4,834	4,894	-6.8
emicals and allied products	33,981	33,893	34,033	+0.3	-0.4	+0.1	34,070	33,792	34,276	33,484	+1.8
ndustrial chemicals	17,287	17,304	17,148	-0.1	+0.9	+0.6	17,373	17,274	17,194	17,321	+0.3
Drugs, soaps, and toiletries	12,241	12,209	12,492	+0.3	-2.3	+0.2	12,437	12,374	12,735	11,834	+5.1
Proleum and coal products	12,113	11,823	11,473	+2.5	+3.1	+2.4	12,023	11,849	11,595	11,821	+1.7
Rber and plastics products	11,105	11,077	10,957	+0.3	+1.1	+0.4	11,010	10,990	11,094	11,246	-2.1
Other nondurable goods	24,890	24,683	24,616	+0.8	+0.3	+0.1	25,806	25,555	25,275	24,080	+7.2

[p] Preliminary. [r] Revised.

Table 5. VALUE OF MANUFACTURERS' SHIPMENTS AND NEW ORDERS FOR TOPICAL SERIES[1]
(Millions of dollars)

Industry	Seasonally adjusted						Not seasonally adjusted [2]						
	Monthly			Percent Change			Monthly				Percent change	Year to date	
	July 1992[p]	June 1992[r]	May 1992	June-July	May-June	Apr.-May	July 1992[p]	June 1992[r]	May 1992	July 1991	July 92/91	1992[p]	1991
SHIPMENTS													
All manufacturing industries	248,264	247,252	241,479	+0.4	+2.4	-0.1	226,823	264,164	243,922	216,452	+4.8	1,670,757	1,610,197
Market categories :													
Automotive equipment	9,542	9,717	9,808	-1.8	-0.9	+0.9	7,043	10,485	10,987	6,844	+2.9	66,770	57,452
Home goods and apparel	17,052	16,492	16,497	+3.4	0.0	+1.1	16,108	17,375	15,359	14,460	+11.4	110,617	99,245
Consumer staples	56,747	56,216	54,600	+0.9	+3.0	+0.6	53,528	58,674	54,759	51,150	+4.6	375,110	371,062
Machinery and equipment	40,700	40,895	38,751	-0.5	+5.5	-1.4	35,238	46,058	39,043	33,354	+5.6	273,151	260,243
Business supplies	19,654	19,308	19,058	+1.8	+1.3	+0.9	18,349	19,707	18,966	17,834	+2.9	130,321	132,873
Construction materials and supplies	15,445	15,412	15,249	+0.2	+1.1	+0.2	15,082	16,961	15,689	13,920	+8.3	104,876	95,999
Defense products	8,387	8,229	8,101	+1.9	+1.6	-4.1	7,475	8,673	8,095	7,314	+2.2	56,236	56,231
Other materials, supplies and and intermediate products	80,737	80,983	79,415	-0.3	+2.0	-0.2	74,000	86,231	81,024	71,576	+3.4	553,676	537,092
Durable goods industries :													
Nondefense capital goods [3]	32,647	32,830	30,603	-0.6	+7.3	-0.9	28,732	37,737	29,726	26,777	+7.3	216,113	208,184
Excluding aircraft and parts	26,237	26,176	24,955	+0.2	+4.9	+0.4	22,924	30,206	24,148	21,233	+8.0	173,000	167,031
Defense capital goods [4]	8,219	8,057	7,840	+2.0	+2.8	-6.5	7,194	8,544	7,791	7,147	+0.7	54,756	55,65[illegible]
Durables excluding capital goods	84,824	84,944	83,901	-0.1	+1.2	-0.4	74,118	91,320	87,474	71,207	+4.1	581,125	543,58[illegible]
Miscellaneous series :													
Producers' durable equipment	78,749	79,345	76,345	-0.8	+3.9	-0.9	66,403	87,606	78,419	63,296	+4.9	533,071	499,44[illegible]
Household durable goods	7,294	6,960	7,018	+4.8	-0.8	-1.1	6,209	7,321	6,758	5,766	+7.7	47,275	43,88[illegible]
Information technology industries	14,864	14,419	13,800	+3.1	+4.5	-1.3	12,347	17,292	13,027	11,040	+11.8	94,767	88,09[illegible]
Health care equipment and products	7,996	7,960	7,736	+0.5	+2.9	+0.4	7,475	8,349	7,381	6,966	+7.3	53,698	50,54[illegible]
NEW ORDERS													
All manufacturing industries	241,763	244,542	238,696	-1.1	+2.4	-0.9	221,570	259,174	240,441	224,195	-1.2	1,654,342	1,609,12
Market categories :													
Automotive equipment	9,517	9,700	9,822	-1.9	-1.2	+0.5	7,052	10,425	10,968	6,877	+2.5	66,789	57,50
Home goods and apparel	17,129	16,814	16,347	+1.9	+2.9	-0.8	16,442	17,501	15,316	14,588	+12.7	112,578	100,99
Consumer staples	56,759	56,209	54,593	+1.0	+3.0	+0.6	53,581	58,733	54,678	51,210	+4.6	375,102	371,09
Machinery and equipment	37,499	39,210	39,213	-4.4	0.0	+2.5	32,060	44,126	39,675	36,748	-12.8	266,714	257,18
Business supplies	19,663	19,389	19,044	+1.4	+1.8	+1.3	18,479	19,689	19,064	17,941	+3.0	130,486	132,94
Construction materials and supplies	15,428	15,396	15,209	+0.2	+1.2	-0.7	15,164	16,889	15,639	14,571	+4.1	105,155	97,07
Defense products	5,578	7,681	6,294	-27.4	+22.0	-23.2	4,602	7,433	5,536	7,458	-38.3	44,844	51,73
Other materials, supplies and and intermediate products	80,190	80,143	78,174	+0.1	+2.5	-1.9	74,190	84,378	79,565	74,802	-0.8	552,674	540,59
Durable goods industries :													
Nondefense capital goods [3]	28,816	30,953	30,469	-6.9	+1.6	+1.9	24,959	35,541	29,701	31,832	-21.6	208,274	207,65
Excluding aircraft and parts	25,575	25,885	24,683	-1.2	+4.9	+1.6	22,320	29,596	23,985	21,475	+3.9	172,010	163,10
Defense capital goods [4]	5,320	7,167	5,854	-25.8	+22.4	-27.7	4,245	6,939	4,964	7,321	-42.0	43,001	51,43
Durables excluding capital goods	85,120	85,044	83,485	+0.1	+1.9	-1.1	75,292	90,315	87,143	73,449	+2.5	583,352	545,66
Miscellaneous series :													
Producers' durable equipment	75,453	78,047	76,831	-3.3	+1.6	+1.0	64,091	85,309	79,021	65,089	-1.5	527,183	494,29
Household durable goods	7,325	6,952	6,905	+5.4	+0.7	-5.0	6,417	7,223	6,615	5,992	+7.1	48,528	45,13
Information technology industries	14,608	13,978	13,812	+4.5	+1.2	+3.1	12,142	16,771	13,239	10,961	+10.8	93,230	87,67
Health care equipment and products	8,042	7,665	7,761	+4.9	-1.2	+1.7	7,522	8,054	7,407	7,120	+5.6	53,153	50,11

[p] Preliminary. [r] Revised.

[1] Topical series are regroupings of the separate industry categories.

[2] Shipments and new orders are the totals for the period and are adjusted for trading-day and calendar-month variations.

[3] Nondefense capital goods industries include : ordnance and accessories; steam, gas and hydraulic turbines; internal combustion engines; construction, mining, and material handling equipmer metalworking machinery; special industry machinery; general industrial machinery; computer and office equipment; refrigeration, heating and service industry machinery; electrical transmission ar distribution equipment; electrical industrial apparatus; communications equipment; aircraft, missiles, space vehicles, and engines and parts; ships and tank components; railroad equipment; and searc and navigation equipment.

[4] Defense capital goods industries include : ordnance and accessories; communications equipment; aircraft, missiles, space vehicles, and engines and parts; ships, tanks and tank components; ar search and navigation equipment.

Table 6. VALUE OF MANUFACTURERS' UNFILLED ORDERS AND TOTAL INVENTORIES FOR TOPICAL SERIES[1]
(Millions of dollars)

Industry	Seasonally adjusted						Not seasonally adjusted				
	Monthly			Percent Change			Monthly				Percent change
	July 1992[p]	June 1992[r]	May 1992	June-July	May-June	Apr.-May	July 1992[p]	June 1992[r]	May 1992	July 1991	July 92/91
UNFILLED ORDERS											
ll manufacturing industries	484,291	490,792	493,502	-1.3	-0.5	-0.6	485,850	491,103	496,093	517,596	-6.1
rket categories :											
utomotive equipment	1,699	1,725	1,741	-1.5	-0.9	+0.8	1,694	1,685	1,744	1,556	+8.9
ome goods and apparel	9,685	9,608	9,286	+0.8	+3.5	-1.6	10,400	10,066	9,940	9,457	+10.0
onsumer staples	1,264	1,253	1,259	+0.9	-0.5	-0.6	1,277	1,224	1,165	1,329	-3.9
achinery and equipment	207,299	210,500	212,185	-1.5	-0.8	+0.2	207,424	210,602	212,534	220,100	-5.8
usiness supplies	5,797	5,788	5,707	+0.2	+1.4	-0.2	5,921	5,791	5,809	5,986	-1.1
onstruction materials and supplies	13,974	13,991	14,007	-0.1	-0.1	-0.3	14,156	14,075	14,147	14,335	-1.2
efense products	125,356	128,165	128,713	-2.2	-0.4	-1.4	124,631	127,503	128,744	138,707	-10.1
ther materials, supplies and and intermediate products	119,217	119,762	120,604	-0.5	-0.7	-1.0	120,347	120,157	122,010	126,126	-4.6
rable goods industries :											
ondefense capital goods [3]	226,861	230,692	232,569	-1.7	-0.8	-0.1	226,762	230,535	232,731	241,434	-6.1
Excluding aircraft and parts	73,772	74,434	74,725	-0.9	-0.4	-0.4	73,673	74,277	74,887	77,752	-5.2
efense capital goods [4]	132,483	135,382	136,272	-2.1	-0.7	-1.4	131,876	134,825	136,430	147,612	-10.7
urables excluding capital goods	101,893	101,597	101,497	+0.3	+0.1	-0.4	103,719	102,545	103,550	105,825	-2.0
cellaneous series :											
roducers' durable equipment	229,925	233,221	234,519	-1.4	-0.6	+0.2	230,875	233,187	235,484	244,830	-5.7
ousehold durable goods	5,224	5,193	5,201	+0.6	-0.2	-2.1	5,743	5,535	5,633	5,493	+4.6
nformation technology industries	31,986	32,242	32,683	-0.8	-1.3	0.0	32,104	32,309	32,830	36,249	-11.4
ealth care equipment and products	7,676	7,630	7,926	+0.6	-3.7	+0.3	7,677	7,630	7,926	8,516	-9.9
TOTAL INVENTORIES											
ll manufacturing industries	382,993	382,854	383,286	0.0	-0.1	+0.3	383,326	381,008	385,623	389,375	-1.6
rket categories :											
utomotive equipment	6,238	6,340	6,347	-1.6	-0.1	-0.9	6,118	6,154	6,288	6,243	-2.0
ome goods and apparel	29,057	28,874	28,510	+0.6	+1.3	+1.2	29,722	29,815	29,594	26,246	+13.2
onsumer staples	58,862	58,329	58,697	+0.9	-0.6	+1.3	57,935	56,841	57,749	56,060	+3.3
achinery and equipment	87,052	87,332	87,404	-0.3	-0.1	-0.2	87,265	86,902	88,609	91,138	-4.2
usiness supplies	21,789	21,706	21,801	+0.4	-0.4	-0.4	22,017	21,786	21,868	22,508	-2.2
onstruction materials and supplies	23,082	23,060	22,919	+0.1	+0.6	+0.8	23,072	23,108	23,195	22,793	+1.2
efense products	31,359	31,783	32,310	-1.3	-1.6	-1.0	31,769	31,796	32,528	36,143	-12.1
ther materials, supplies and and intermediate products	125,554	125,430	125,298	+0.1	+0.1	+0.4	125,428	124,606	125,792	128,244	-2.2
rable goods industries :											
ondefense capital goods [3]	81,950	82,312	82,701	-0.4	-0.5	-0.4	82,429	81,927	83,855	87,385	-5.7
Excluding aircraft and parts	54,151	54,190	54,428	-0.1	-0.4	+0.1	54,466	53,946	55,324	57,578	-5.4
efense capital goods [4]	33,764	34,164	34,714	-1.2	-1.6	+0.1	34,176	34,167	34,940	38,603	-11.5
urables excluding capital goods	125,272	125,415	125,032	-0.1	+0.3	+0.2	125,032	125,016	125,767	126,357	-1.0
cellaneous series :											
roducers' durable equipment	141,456	141,803	141,825	-0.2	0.0	+0.1	141,536	141,173	143,382	145,062	-2.4
ousehold durable goods	13,088	13,046	12,946	+0.3	+0.8	+0.7	13,250	13,295	13,292	12,502	+6.0
nformation technology industries	27,706	27,944	28,022	-0.9	-0.3	+0.2	27,981	27,575	28,476	29,400	-4.8
ealth care equipment and products	12,907	12,798	12,864	+0.9	-0.5	+0.5	13,010	12,891	13,118	12,392	+5.0

ee footnotes at end of table 5.

Table 7. VALUE OF MANUFACTURERS' INVENTORIES, BY STAGE OF FABRICATION, BY INDUSTRY GROUP
(Millions of dollars)

Industry	Seasonally adjusted						Not seasonally adjusted				
	Monthly			Percent Change			Monthly				Perce chang Jul 92/9
	July 1992[p]	June 1992[r]	May 1992	June-July	May-June	Apr.-May	July 1992[p]	June 1992[r]	May 1992	July 1991	
MATERIALS AND SUPPLIES											
All manufacturing industries	119,813	119,832	118,795	0.0	+0.9	+0.3	119,227	118,558	117,884	120,087	-0
Durable goods industries	66,799	67,304	66,735	-0.8	+0.9	+0.3	66,625	66,640	66,156	68,781	-3
Stone, clay, and glass products	2,414	2,411	2,373	+0.1	+1.6	+0.3	2,438	2,409	2,373	2,519	-3
Primary metals	6,167	6,222	6,081	-0.9	+2.3	-1.4	6,127	6,095	5,895	6,373	-3
Fabricated metal products	8,190	8,130	8,169	+0.7	-0.5	+4.3	8,190	8,115	8,124	8,195	-0
Industrial machinery and equipment	13,082	13,169	12,912	-0.7	+2.0	-0.1	13,080	13,100	12,851	13,941	-6
Electronic and other electrical equipment	9,090	9,237	9,217	-1.6	+0.2	+0.3	9,172	9,144	9,236	9,588	-4
Transportation equipment	13,011	13,271	13,278	-2.0	-0.1	-1.9	12,852	13,145	13,150	14,100	-8
Instruments and related products	7,009	7,008	6,960	0.0	+0.7	+0.9	7,053	7,053	7,015	6,736	+4
Lumber, furniture and miscellaneous durable goods	7,836	7,856	7,745	-0.3	+1.4	+1.7	7,713	7,579	7,512	7,329	+5
Nondurable goods industries	53,014	52,528	52,060	+0.9	+0.9	+0.3	52,602	51,918	51,728	51,306	+2
Food and kindred products	10,192	10,202	10,163	-0.1	+0.4	-0.1	9,955	9,912	10,041	9,574	+4
Tobacco products	5,363	5,244	5,089	+2.3	+3.0	+0.3	4,977	4,938	4,976	4,575	+8
Textile mill products	2,834	2,750	2,691	+3.1	+2.2	+0.6	2,909	2,781	2,764	2,562	+13
Paper and allied products	6,862	6,827	6,954	+0.5	-1.8	+0.4	6,831	6,831	6,915	6,739	+2
Chemicals and allied products	11,708	11,744	11,567	-0.3	+1.5	0.0	11,772	11,782	11,503	11,751	+0
Petroleum and coal products	3,237	2,977	2,977	+8.7	0.0	+3.9	3,204	2,987	2,999	3,258	-
Rubber and plastics products	4,385	4,373	4,309	+0.3	+1.5	+0.6	4,333	4,263	4,265	4,326	+0
Apparel, printing and publishing and leather goods	8,433	8,411	8,310	+0.3	+1.2	0.0	8,621	8,424	8,265	8,521	+
WORK IN PROCESS											
All manufacturing industries	134,080	135,185	136,338	-0.8	-0.8	-0.2	135,056	134,637	137,402	143,499	-
Durable goods industries	111,481	112,540	113,727	-0.9	-1.0	-0.2	112,319	112,201	114,745	121,507	-
Stone, clay, and glass products	1,135	1,118	1,134	+1.5	-1.4	+2.3	1,139	1,128	1,161	1,148	-
Primary metals	7,522	7,587	7,633	-0.9	-0.6	+2.0	7,586	7,607	7,696	8,318	-
Fabricated metal products	7,527	7,383	7,335	+2.0	+0.7	-0.6	7,474	7,325	7,427	7,649	-
Industrial machinery and equipment	18,156	18,405	18,875	-1.4	-2.5	-0.9	18,154	18,253	19,219	20,253	-1
Electronic and other electrical equipment	12,896	12,885	12,879	+0.1	0.0	-0.9	13,104	12,988	13,085	13,525	-
Transportation equipment	48,765	49,624	50,196	-1.7	-1.1	-0.1	49,241	49,349	50,364	53,355	-
Instruments and related products	11,284	11,308	11,406	-0.2	-0.9	-1.0	11,411	11,313	11,530	12,999	-1
Lumber, furniture and miscellaneous durable goods	4,196	4,230	4,269	-0.8	-0.9	+0.6	4,210	4,238	4,263	4,260	-
Nondurable goods industries	22,599	22,645	22,611	-0.2	+0.2	+0.1	22,737	22,436	22,657	21,992	+
Food and kindred products	3,450	3,423	3,396	+0.8	+0.8	-0.8	3,311	3,261	3,263	3,341	-
Tobacco products	58	61	57	-4.9	+7.0	-16.2	44	45	46	55	-2
Textile mill products	2,448	2,454	2,491	-0.2	-1.5	+2.1	2,481	2,452	2,524	2,501	-
Paper and allied products	1,110	1,091	1,088	+1.7	+0.3	-3.5	1,155	1,118	1,088	1,260	-
Chemicals and allied products	5,360	5,454	5,484	-1.7	-0.5	+0.2	5,395	5,428	5,613	5,187	+
Petroleum and coal products	3,059	3,095	3,010	-1.2	+2.8	-0.4	3,074	3,137	3,030	2,944	+
Rubber and plastics products	1,484	1,490	1,501	-0.4	-0.7	-1.3	1,466	1,436	1,499	1,535	-
Apparel, printing and publishing and leather goods	5,630	5,577	5,584	+1.0	-0.1	+1.5	5,811	5,559	5,594	5,169	+1
FINISHED GOODS											
All manufacturing industries	129,100	127,837	128,153	+1.0	-0.2	+0.7	129,043	127,813	130,337	125,789	+
Durable goods industries	62,706	62,047	61,985	+1.1	+0.1	0.0	62,693	62,269	63,661	62,057	+1
Stone, clay, and glass products	4,384	4,426	4,417	-0.9	+0.2	-0.2	4,388	4,464	4,558	4,402	-0
Primary metals	6,141	6,026	6,121	+1.9	-1.6	-1.4	6,120	6,048	6,270	6,348	-
Fabricated metal products	7,522	7,460	7,478	+0.8	-0.2	-0.8	7,522	7,687	7,721	7,157	+5
Industrial machinery and equipment	13,616	13,271	13,270	+2.6	0.0	+0.9	13,641	13,096	13,592	14,050	-
Electronic and other electrical equipment	8,917	8,887	8,775	+0.3	+1.3	+0.4	8,909	9,136	9,108	8,877	+0
Transportation equipment	8,103	7,994	8,057	+1.4	-0.8	-0.7	8,044	7,734	8,132	7,981	+0
Instruments and related products	5,654	5,602	5,508	+0.9	+1.7	+0.6	5,689	5,610	5,684	5,455	+4
Lumber, furniture and miscellaneous durable goods	8,369	8,381	8,359	-0.1	+0.3	+0.6	8,380	8,494	8,596	7,787	+7
Nondurable goods industries	66,394	65,790	66,168	+0.9	-0.6	+1.4	66,350	65,544	66,676	63,732	+4
Food and kindred products	16,920	16,906	16,750	+0.1	+0.9	+3.1	16,392	15,782	15,811	15,248	+7
Tobacco products	1,303	1,155	1,697	+12.8	-31.9	+14.0	1,286	1,077	1,597	1,489	-13
Textile mill products	3,795	3,738	3,667	+1.5	+1.9	+0.5	3,864	3,802	3,859	3,666	+5
Paper and allied products	5,583	5,636	5,717	-0.9	-1.4	+0.6	5,575	5,713	5,937	5,389	+3
Chemicals and allied products	16,913	16,695	16,982	+1.3	-1.7	+0.2	16,903	16,582	17,160	16,546	+2
Petroleum and coal products	5,817	5,751	5,486	+1.1	+4.8	+3.1	5,745	5,725	5,566	5,619	+2
Rubber and plastics products	5,236	5,214	5,147	+0.4	+1.3	+0.8	5,211	5,291	5,330	5,385	-3
Apparel, printing and publishing and leather goods	10,827	10,695	10,722	+1.2	-0.3	-0.6	11,374	11,572	11,416	10,390	+9

[p] Prelimary. [r] Revised.

Table 8. RATIOS OF MANUFACTURES' INVENTORIES TO SHIPMENTS AND UNFILLED ORDERS TO SHIPMENTS, BY INDUSTRY GROUP
(Based on seasonally adjusted data)

Industry	Inventory / Shipments ratio				Unfilled Orders / Shipments ratio[1]			
	July 1992[p]	June 1992[r]	May 1992	Apr. 1992	July 1992[p]	June 1992[r]	May 1992	Apr. 1992
All manufacturing industries	1.54	1.55	1.59	1.58	3.64	3.71	3.84	3.83
urable goods industries	1.92	1.92	1.98	1.96	4.44	4.52	4.71	4.68
Stone, clay, and glass products	1.43	1.50	1.53	1.55	1.38	1.41	1.43	1.42
Primary metals	1.77	1.76	1.77	1.79	1.87	1.85	1.85	1.88
Fabricated metal products	1.74	1.71	1.76	1.73	1.89	1.91	1.98	2.01
Industrial machinery and equipment	2.12	2.07	2.18	2.19	2.56	2.53	2.68	2.72
Electronic and other electrical equipment	1.71	1.79	1.80	1.80	2.32	2.43	2.43	2.43
Transportation equipment	2.16	2.16	2.24	2.21	13.04	13.21	14.09	13.55
Instruments and related products	2.34	2.28	2.36	2.28	5.19	5.12	5.44	5.30
ondurable goods industries	1.16	1.16	1.18	1.18	0.79	0.80	0.81	0.82
Food and kindred products	0.93	0.94	0.92	0.90	(X)	(X)	(X)	(X)
Tobacco products	2.05	1.83	3.16	3.14	(X)	(X)	(X)	(X)
Textile mill products	1.45	1.45	1.47	1.45	(NA)	(NA)	(NA)	(NA)
Paper and allied products	1.29	1.29	1.32	1.32	(NA)	(NA)	(NA)	(NA)
Chemicals and allied products	1.33	1.34	1.36	1.39	(X)	(X)	(X)	(X)
Petroleum and coal products	0.84	0.82	0.84	0.85	(X)	(X)	(X)	(X)
Rubber and plastics products	1.24	1.25	1.25	1.22	(X)	(X)	(X)	(X)

[p] Preliminary. [r] Revised. (X) Not applicable. (NA) Not available.

[1] Excludes the following industries with no unfilled orders : Wood and lumber products; glass containers; metal cans, barrels and drums; farm and garden machinery; motor vehicle assembly operations; other transportation equipment; foods and related products; tobacco; knitting mill products; apparel and related products; chemicals; petroleum and coal products; and rubber and plastics products.

Table 9. REVISIONS TO PREVIOUSLY PUBLISHED MONTHLY PERCENT CHANGES
(Based on seasonally adjusted data)

Industry	Shipments			New orders			Unfilled orders			Inventories		
	July[1] 1992	July[2] 1987-1991	July 1991-June 1992	July[1] 1992	July[2] 1987-1991	July 1991-June 1992	July[1] 1992	July[2] 1987-1991	July 1991-June 1992	July[1] 1992	July[2] 1987-1991	July 1991-June 1992
All manufacturing industries	(X)	0.1	0.1	(X)	0.2	0.3	(X)	0.0	0.1	(X)	0.0	0.1
urable goods industries	0.2	0.1	0.1	0.2	0.2	0.5	0.0	0.1	0.1	(X)	0.0	0.1
Stone, clay, and glass products	(X)	0.5	0.9	(X)	0.5	1.5	(X)	0.4	0.6	(X)	0.2	0.3
Primary metals	0.0	0.1	0.2	0.0	0.4	0.8	-0.1	0.2	0.3	(X)	0.2	0.1
Fabricated metal products	(X)	0.2	0.3	(X)	0.2	0.5	(X)	0.1	0.2	(X)	0.0	0.2
Industrial machinery and equipment	-0.3	0.3	0.3	-0.2	0.5	0.4	0.0	0.2	0.1	(X)	0.1	0.1
Electronic and other electrical equipment	0.5	0.2	0.2	0.5	0.4	0.9	-0.1	0.1	0.2	(X)	0.0	0.1
Transportation equipment	0.2	0.3	0.3	0.5	0.3	1.2	0.0	0.0	0.1	(X)	0.1	0.2
Instruments and related products	(X)	0.6	0.7	(X)	0.8	0.7	(X)	0.1	0.1	(X)	0.1	0.1
ondurable goods industries	(X)	0.2	0.1	(X)	0.3	0.1	(X)	0.3	0.5	(X)	0.1	0.2
Food and kindred products	(X)	0.2	0.4	(X)	(X)	(X)	(X)	(X)	(X)	(X)	0.3	0.4
Tobacco products	(X)	0.2	2.4	(X)	(X)	(X)	(X)	(X)	(X)	(X)	0.2	0.1
Textile mill products	(X)	1.0	0.4	(X)	(NA)	(NA)	(X)	(NA)	(NA)	(X)	0.1	0.4
Paper and allied products	(X)	0.1	0.2	(X)	(NA)	(NA)	(X)	(NA)	(NA)	(X)	0.1	0.4
Chemicals and allied products	(X)	0.8	0.2	(X)	(X)	(X)	(X)	(X)	(X)	(X)	0.1	0.2
Petroleum and coal products	(X)	0.6	0.2	(X)	(X)	(X)	(X)	(X)	(X)	(X)	0.3	0.2
Rubber and plastics products	(X)	0.4	0.4	(X)	(X)	(X)	(X)	(X)	(X)	(X)	0.1	0.3
apital goods industries :												
Nondefense	-0.2	0.2	0.3	0.1	0.3	1.1	0.0	0.1	0.1	(X)	0.1	0.1
Defense	0.0	0.3	1.0	0.6	0.6	5.1	0.1	0.1	0.1	(X)	0.0	0.4

(X) Not applicable. (NA) Not available.

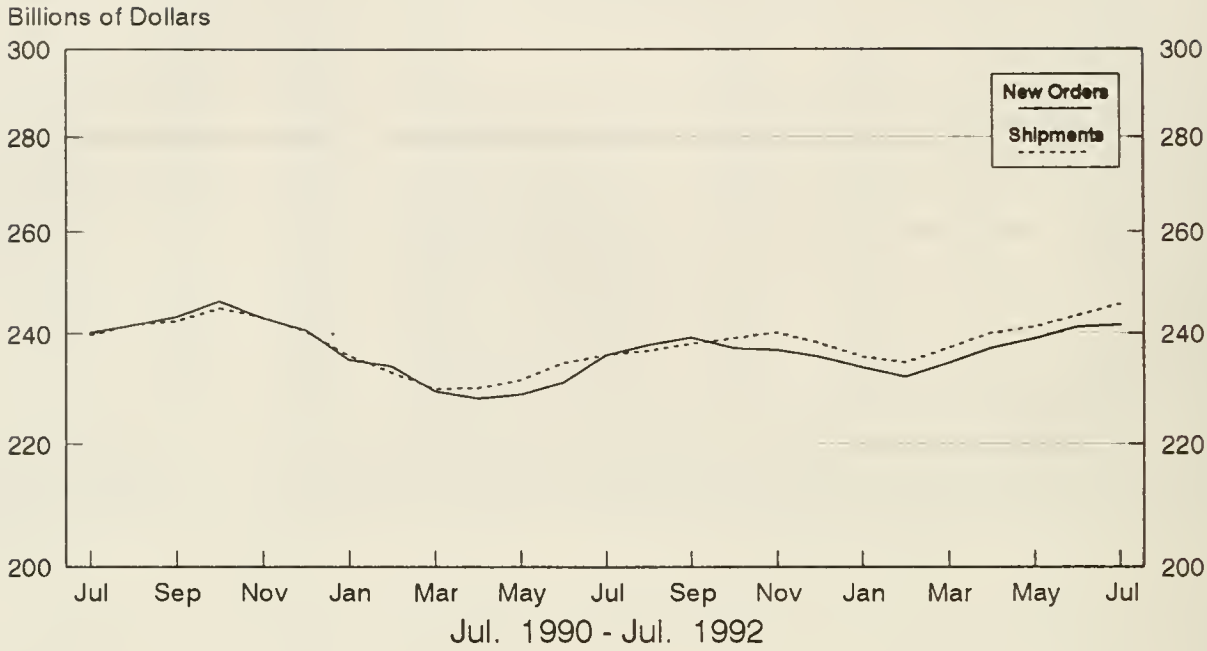
Note : The five year and the twelve month revisions are the differences between the month-to-month percent changes of the preliminary and final estimates. The monthly averages are the simple averages of the absolute values of the differences for the months specified. The advance to final percent change revisions for the durable goods industries are shown in the advance report for the month.

[1] The current month revisions are the difference between the advance precent change and the percent change as shown in this publication.

[2] Average for this month for the last five years.

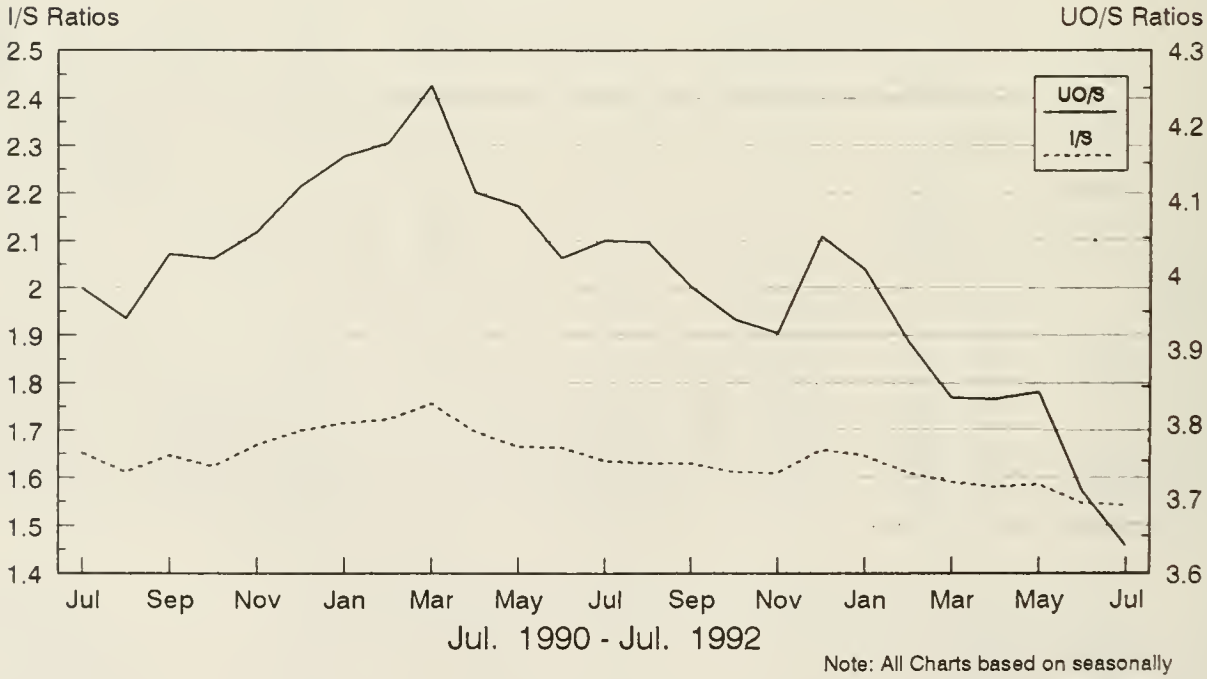
Total Manufacturing

New Orders and Shipments
Three Month Moving Averages



Total Manufacturing

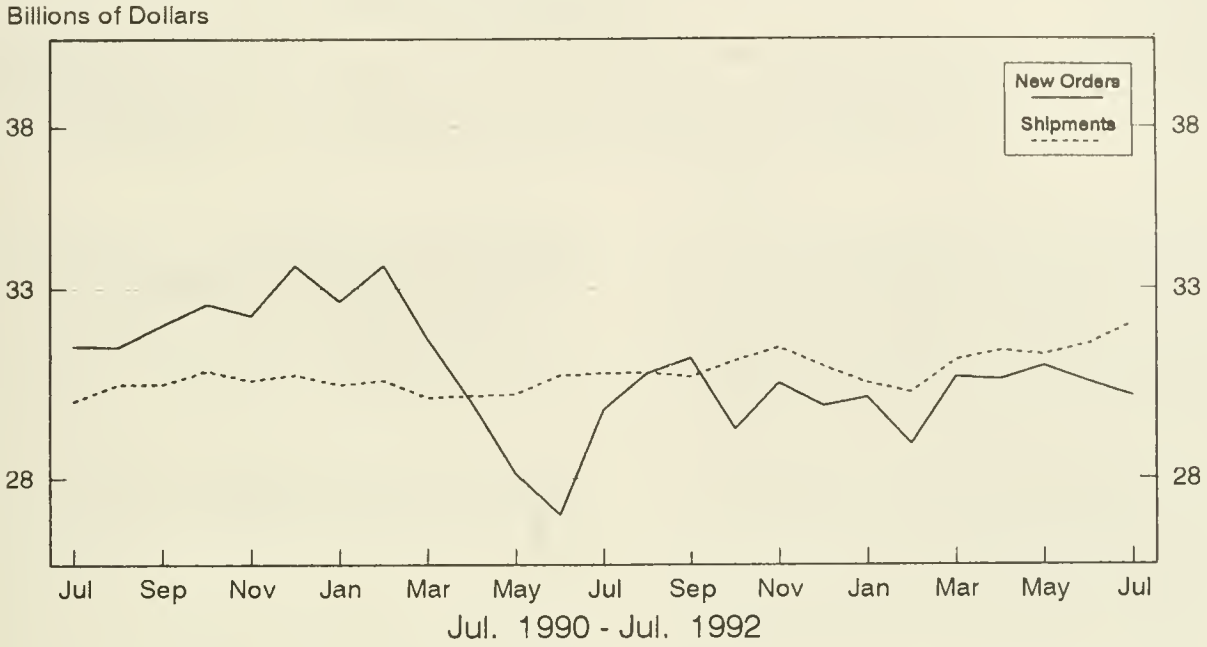
Ratio of Unfilled Orders and
Inventories to Shipments



Note: All Charts based on seasonally adjusted current dollars.

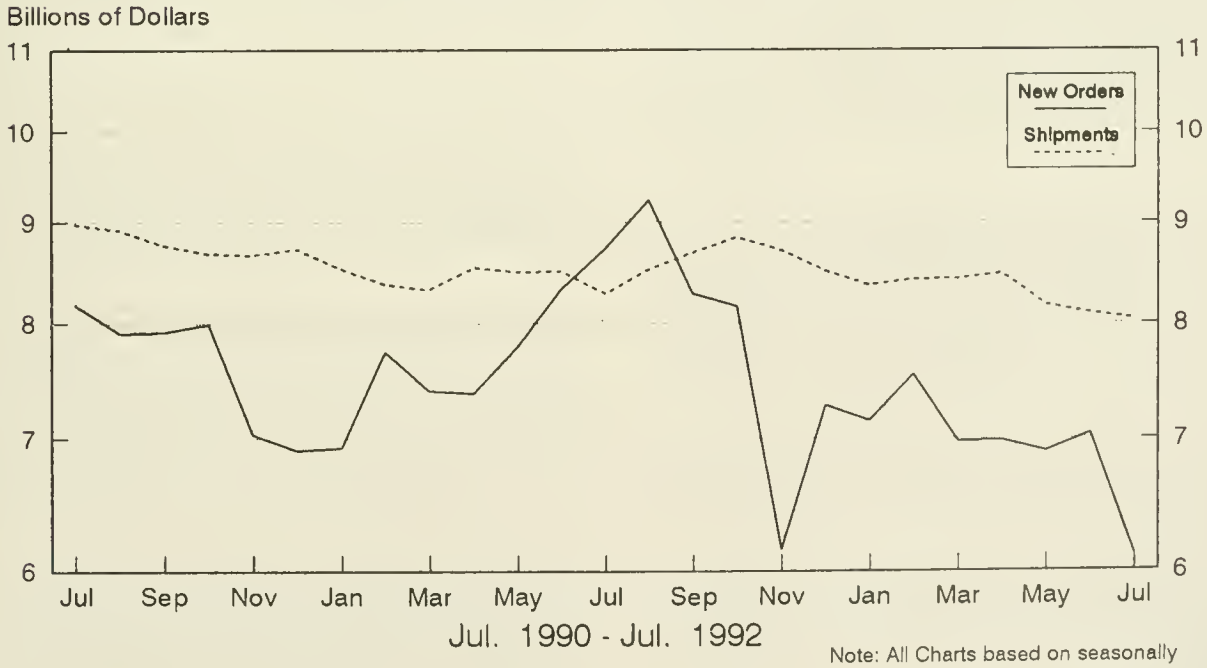
NonDefense Capital Goods

New Orders and Shipments
Three Month Moving Averages



Defense Capital Goods

New Orders and Shipments
Three Month Moving Averages



Note: All Charts based on seasonally adjusted current dollars.

U.S. Department of Commerce
BUREAU OF THE CENSUS
Washington, D.C. 20233

Official Business

Penalty for Private Use, $300

U.S.MAIL

POSTAGE AND FEES
U.S. DEPARTMENT OF COMME

COM-

First Class Mail

3.158:M 3-1-(92)-8

JAN 7 1993

rent Industrial Reports, Manufac...

Manufacturers' Shipments, Inventories, and Orders

August 1992

M3-1-(92)-8

For Wire Transmissions 10:00 a.m. E.D.T. Friday, October 2, 1992

U. S. Department of Commerce
BUREAU OF THE CENSUS

Steve Andrews or Kathy Menth
(301)763-2502 or (301)763-2575

Note: All figures in text are in seasonally adjusted current dollars

Summary

New orders for manufactured goods in August declined $4.7 billion or 1.9 percent to $237.6 billion, the Department of Commerce, Bureau of the Census reported today. This follows a 0.9 percent decrease in July and is the third decline in the last four months. Excluding defense, new orders were down $5.7 billion, the second consecutive monthly decline. New orders without transportation equipment decreased $5.8 billion or 2.7 percent.

Shipments decreased $5.9 billion or 2.4 percent to $241.3 billion, following a slight decline in July. This is the largest decrease since a 3.4 percent decline in December 1991. Excluding defense, shipments decreased $5.5 billion. Without transportation equipment, shipments were down $6.0 billion.

Unfilled orders decreased $3.7 billion or 0.8 percent to $482.1 billion and are at the lowest level since $481.0 billion in February 1989. This is the twelfth consecutive monthly decline. Excluding defense, unfilled orders decreased $2.6 billion. Without transportation equipment, unfilled orders declined $0.7 billion.

Inventories increased $2.1 billion or 0.5 percent to $385.6 billion, following a 0.2 percent increase in July and a 0.1 percent decrease in June. Without defense, inventories increased $2.9 billion. The inventories-to-shipments ratio increased from 1.55 in July to 1.60 in August.

New Orders

New orders for durable goods in August decreased $0.1 billion or 0.1 percent to $119.8 billion, following a 2.7 percent decrease in July and 2.8 percent increase in June. Excluding defense, new orders were down $1.1 billion or 0.9 percent. New orders without transportation equipment decreased $1.2 billion or 1.3 percent.

Electronic and other electrical equipment had the largest decrease, down $0.8 billion or 4.2 percent to $17.4 billion, primarily due to communications equipment. Stone, clay, and glass products decreased $0.3 billion or 5.2 percent to $5.3 billion. Transportation equipment had the largest increase, up $1.1 billion or 3.9 percent to $28.7 billion, with increases in all categories except railroad and other transportation equipment. Fabricated metal products was up $0.3 billion or 2.6 percent to $13.2 billion.

New orders for nondurable goods, decreased $4.6 billion or 3.8 percent to $117.8 billion, the largest monthly percentage decline since a 4.8 percent decline in December 1974. This follows six consecutive monthly increases. The largest declines were in tobacco products, petroleum and coal products, printing and publishing, and chemical and allied products.

Shipments

Shipments of durable goods in August decreased $1.3 billion or 1.1 percent to $123.4 billion. This follows a 0.8 percent decline in July and is the third decrease in the last four months. Electronic and other electrical equipment had the largest decline, down $0.8 billion or 4.5 percent to $17.3 billion, due to communications equipment. Transportation equipment had the largest increase, up $0.2 billion or 0.5 percent to $31.7 billion, as an increase in motor vehicles and parts more than offset a decline in aircraft and parts.

Shipments of nondurable goods were down $4.5 billion or 3.7 percent to $117.9 billion, following six consecutive monthly increases. This is the largest decline since a 3.9 percent decrease in January 1978. The largest decline was in tobacco products, down $1.3 billion. Petroleum and coal products, printing and publishing, and chemicals and allied products also had large decreases.

Unfilled Orders

Unfilled orders for durable goods in August decreased $3.7 billion or 0.8 percent to $459.0 billion and are at the lowest level since $456.0 billion in January 1989. This is the twelfth consecutive monthly decline. Transportation equipment had the largest decline, down $3.0 billion or 1.2 percent to $254.2 billion, with large decreases in aircraft and parts and shipbuilding and tanks. Industrial machinery and equipment decreased $0.4 billion or 0.7 percent to $51.2 billion. Primary metals had the largest increase, up $0.2 billion or 1.1 percent to $21.3 billion. Unfilled orders for nondurable goods declined $0.1 billion or 0.2 percent to $23.1 billion.

Inventories

Inventories for durable goods in August increased $0.8 billion or 0.3 percent to $242.0 billion, the first increase since September 1991. All major groups increased except lumber and wood products and instruments and related products. Industrial machinery and equipment had the largest increase, up $0.3 billion or 0.6 percent to $45.2 billion.

Nondurable goods, up $1.3 billion or 0.9 percent to $143.6 billion, have increased for seven consecutive months. All major groups except petroleum and coal products and leather and leather products increased.

By stage of fabrication, finished-goods were up 0.5 percent in durables and 1.8 percent in nondurables. Work in process were unchanged in durables and up 1.4 percent in nondurables. Materials and supplies increased 0.7 percent in durables and decreased 0.3 percent in nondurables.

The advance report on durable goods for September is scheduled for October 28, 1992 at 8:30 a.m. and the full report on November 4, 1992 at 10:00 a.m. For sale by the Superintendent of Documents, U.S. Government Printing Office, Washington, DC 20402. This report is also available the day of issue through the Department of Commerce's online Economic Bulletin Board (N-8-1) (202-482-3870) and through the Census Bureau's online information service-CENDATA. CENDATA is available from Dialog Information Services, Inc. (1-800-334-2464) and CompuServe (1-800-848-8199). The CENDATA staff at the Bureau of Census (301-763-2074) can provide content information and general guidance.

Table 1. VALUE OF MANUFACTURERS' SHIPMENTS FOR INDUSTRY GROUPS
(Millions of dollars)

Industry	Seasonally adjusted						Not seasonally adjusted[1]						
	Monthly			Percent Change			Monthly				Percent change	Year to date	
	Aug. 1992[p]	July 1992[r]	June 1992	July-Aug.	June-July	May-June	Aug. 1992[p]	July 1992[r]	June 1992	Aug. 1991	Aug. 92/91	1992[p]	1991
All manufacturing industries	241,344	247,216	247,252	-2.4	0.0	+2.4	242,746	226,244	264,164	238,300	+1.9	1,912,924	1,848,497
Manufacturing Industries													
with unfilled orders	129,025	132,218	132,285	-2.4	-0.1	+3.0	128,456	118,701	142,510	127,395	+0.8	1,019,423	990,763
without defense capital goods	233,661	239,140	239,195	-2.3	0.0	+2.4	235,253	219,148	255,620	229,535	+2.5	1,850,773	1,784,075
Durable goods industries	123,444	124,789	125,831	-1.1	-0.8	+2.9	122,239	109,301	137,601	119,037	+2.7	973,490	926,462
With unfilled orders	100,718	102,828	103,553	-2.1	-0.7	+3.6	99,342	91,126	113,167	98,170	+1.2	794,716	767,615
Stone, clay, and glass products	5,431	5,518	5,320	-1.6	+3.7	+2.6	5,840	5,371	5,833	5,198	+12.4	41,169	37,781
Primary metals	10,948	11,166	11,291	-2.0	-1.1	+0.6	11,150	10,401	11,818	11,030	+1.1	88,890	86,791
Blast furnaces, steel mills	4,615	4,640	4,731	-0.5	-1.9	+1.4	4,657	4,301	4,984	4,658	0.0	37,789	36,515
Iron and steel foundries	980	953	1,014	+2.8	-6.0	+1.2	1,022	817	1,120	927	+10.2	7,911	7,338
Nonferrous and other primary metals	5,353	5,573	5,546	-3.9	+0.5	-0.2	5,471	5,283	5,714	5,445	+0.5	43,190	42,938
Fabricated metal products	13,483	13,395	13,411	+0.7	-0.1	+2.8	13,566	12,192	14,396	13,305	+2.0	105,229	103,009
Industrial machinery and equipment	20,914	21,050	21,622	-0.6	-2.6	+4.8	19,438	18,219	25,167	18,611	+4.4	162,880	159,360
Engines and turbines	1,455	1,498	1,687	-2.9	-11.2	+5.2	1,334	1,135	1,865	1,385	-3.7	11,521	11,487
Farm and garden machinery	977	1,055	1,077	-7.4	-2.0	-4.3	775	806	1,099	827	-6.3	9,339	9,627
Construction, mining and material handling equipment	2,391	2,292	2,437	+4.3	-5.9	+9.0	2,307	2,191	2,635	2,431	-5.1	18,173	20,448
Metalworking machinery	2,211	2,105	2,210	+5.0	-4.8	+5.0	2,105	1,832	2,508	1,913	+10.0	16,605	15,279
Computer and office equipment	5,951	6,147	6,122	-3.2	+0.4	+4.5	5,237	4,638	8,125	4,614	+13.5	43,797	38,607
Electronic and other electrical equipment	17,323	18,143	17,293	-4.5	+4.9	+0.8	17,197	16,162	18,640	16,562	+3.8	134,847	128,538
Electrical transmission and distribution equipment and industrial apparatus	2,326	2,436	2,329	-4.5	+4.6	-0.9	2,262	2,158	2,524	2,202	+2.7	18,431	18,107
Household appliances	1,579	1,577	1,536	+0.1	+2.7	-0.8	1,577	1,517	1,737	1,546	+2.0	12,360	12,132
Electric lighting and wiring equipment	1,614	1,688	1,767	-4.4	-4.5	+2.0	1,625	1,451	1,860	1,642	-1.0	13,207	12,652
Household audio and video equipment	1,105	1,149	860	-3.8	+33.6	-18.1	1,151	925	929	991	+16.1	7,425	6,120
Communications equipment	3,757	4,281	3,768	-12.2	+13.6	+5.2	3,609	3,677	4,149	3,280	+10.0	28,911	26,062
Electronic components	5,343	5,427	5,312	-1.5	+2.2	+1.8	5,364	5,074	5,574	5,204	+3.1	42,247	40,904
Transportation equipment	31,728	31,574	32,835	+0.5	-3.8	+3.0	30,938	24,811	35,714	30,615	+1.1	252,985	232,230
Motor vehicles and parts	19,557	19,035	19,515	+2.7	-2.5	-1.3	19,320	13,562	21,134	17,903	+7.9	152,943	131,890
Aircraft, missiles, space vehicles, and parts	9,782	10,142	11,038	-3.5	-8.1	+11.4	9,197	9,030	12,262	10,461	-12.1	81,656	82,435
Shipbuilding and tanks	1,110	1,103	1,035	+0.6	+6.6	-0.1	1,107	1,039	1,045	1,096	+1.0	8,429	8,800
Instruments and related products	10,083	10,161	10,472	-0.8	-3.0	+3.6	9,786	9,236	11,300	10,334	-5.3	80,242	80,595
Search and navigation equipment	2,619	2,672	2,799	-2.0	-4.5	+2.5	2,558	2,286	2,988	3,219	-20.5	20,954	22,725
Measuring and controlling devices	2,632	2,625	2,647	+0.3	-0.8	+5.1	2,606	2,408	2,835	2,497	+4.4	20,921	20,204
Medical instruments and supplies	2,809	2,837	2,970	-1.0	-4.5	+4.7	2,742	2,692	3,145	2,701	+1.5	22,773	21,917
Photographic goods	1,658	1,670	1,702	-0.7	-1.9	+0.7	1,522	1,507	1,952	1,578	-3.5	12,834	13,174
All other durable goods	13,534	13,782	13,587	-1.8	+1.4	+3.5	14,324	12,909	14,733	13,382	+7.0	107,248	98,158
Nondurable goods industries	117,900	122,427	121,421	-3.7	+0.8	+1.9	120,507	116,943	126,563	119,263	+1.0	939,434	922,035
With unfilled orders	28,307	29,390	28,732	-3.7	+2.3	+0.9	29,114	27,575	29,343	29,225	-0.4	224,707	223,148
Food and kindred products	32,557	32,666	32,390	-0.3	+0.9	-1.7	32,699	31,393	33,670	32,453	+0.8	257,883	254,770
Meat products	7,420	7,415	7,419	+0.1	-0.1	-2.2	7,628	7,260	7,682	7,564	+0.8	58,670	59,891
Dairy products	4,402	4,345	4,372	+1.3	-0.6	+0.9	4,494	4,348	4,595	4,219	+6.5	34,440	32,593
Beverages	4,602	4,593	4,631	+0.2	-0.8	-1.9	4,892	4,901	5,311	4,775	+2.5	37,757	36,153
All other foods, except fats and oils	14,460	14,641	14,261	-1.2	+2.7	-2.4	14,012	13,212	14,375	14,152	-1.0	113,393	113,239
Tobacco products	2,029	3,304	3,522	-38.6	-6.2	+62.7	1,984	2,351	4,304	2,635	-24.7	19,960	19,779
Textile mill products	6,094	6,198	6,173	-1.7	+0.4	+2.3	6,459	5,374	6,760	6,198	+4.2	47,666	43,303
Broadwoven fabrics and other textiles	3,827	3,881	3,928	-1.4	-1.2	+2.5	4,064	3,293	4,213	3,952	+2.8	30,280	27,436
Paper and allied products	10,592	10,668	10,503	-0.7	+1.6	+1.1	10,804	10,438	10,960	10,583	+2.1	83,784	82,950
Pulp, paper, and paperboard mill products	4,490	4,532	4,537	-0.9	-0.1	+2.0	4,535	4,452	4,664	4,472	+1.4	35,686	35,933
Paperboard containers and boxes	2,534	2,570	2,568	-1.4	+0.1	+2.5	2,615	2,467	2,642	2,491	+5.0	20,063	19,078
Miscellaneous converted paper products	3,568	3,566	3,398	+0.1	+4.9	-1.0	3,654	3,519	3,654	3,620	+0.9	28,035	27,939
Chemicals and allied products	24,768	25,458	25,315	-2.7	+0.6	+1.4	24,689	24,088	26,486	24,005	+2.8	198,494	194,092
Industrial chemicals	13,162	13,422	13,214	-1.9	+1.6	+2.5	13,109	12,900	13,683	12,712	+3.1	103,141	103,017
Drugs, soaps, and toiletries	8,967	9,293	9,192	-3.5	+1.1	+1.9	9,093	8,648	9,581	8,634	+5.3	70,888	66,241
Petroleum and coal products	13,199	14,205	14,399	-7.1	-1.3	+5.6	13,902	14,283	14,523	13,831	+0.5	103,071	106,444
Rubber and plastics products	8,790	8,989	8,890	-2.2	+1.1	+1.1	8,957	8,653	9,640	8,963	-0.1	72,023	68,768
All other nondurable goods	19,871	20,939	20,229	-5.1	+3.5	0.0	21,013	20,363	20,220	20,595	+2.0	156,553	151,929

[p] Preliminary. [r] Revised.

[1] Shipments and new orders are the totals for the period and are adjusted for trading-day and calendar-month variations.

Table 2. VALUE OF MANUFACTURERS' NEW ORDERS FOR INDUSTRY GROUPS
(Millions of dollars)

Industry	Seasonally adjusted						Not seasonally adjusted[1]						
	Monthly			Percent Change			Monthly				Percent change	Year to date	
	Aug. 1992[p]	July 1992[r]	June 1992	July-Aug.	June-July	May-June	Aug. 1992[p]	July 1992[r]	June 1992	Aug. 1991	Aug. 92/91	1992[p]	1991
All manufacturing industries	237,596	242,307	244,542	-1.9	-0.9	+2.4	236,886	222,388	259,174	237,368	-0.2	1,892,046	1,846,490
Manufacturing industries													
with unfilled orders	125,277	127,309	129,575	-1.6	-1.7	+3.1	122,596	114,845	137,520	126,463	-3.1	998,545	988,756
without defense capital goods	231,019	236,677	237,375	-2.4	-0.3	+1.9	232,026	217,912	252,235	228,660	+1.5	1,843,954	1,786,350
Durable goods industries	119,751	119,861	123,164	-0.1	-2.7	+2.8	116,307	105,043	132,795	117,602	-1.1	951,481	922,346
With unfilled orders	97,025	97,900	100,886	-0.9	-3.0	+3.6	93,410	86,868	108,361	96,735	-3.4	772,707	763,499
Stone, clay, and glass products	5,348	5,644	5,426	-5.2	+4.0	+1.6	5,825	5,633	5,942	5,341	+9.1	42,111	39,138
Primary metals	11,177	11,288	11,505	-1.0	-1.9	+3.5	10,812	10,570	11,816	10,995	-1.7	88,621	85,446
Blast furnaces, steel mills	4,607	4,635	4,852	-0.6	-4.5	+4.4	4,475	4,459	4,952	4,986	-10.2	37,283	36,334
Iron and steel foundries	991	913	1,022	+8.5	-10.7	-6.0	1,073	764	1,116	963	+11.4	7,871	7,162
Nonferrous and other primary metals	5,579	5,740	5,631	-2.8	+1.9	+4.6	5,264	5,347	5,748	5,046	+4.3	43,467	41,950
Fabricated metal products	13,243	12,906	13,210	+2.6	-2.3	+4.5	13,368	11,916	14,026	13,231	+1.0	103,736	102,870
Industrial machinery and equipment	20,531	20,678	21,239	-0.7	-2.6	+5.8	19,171	17,796	24,600	18,499	+3.6	161,000	157,187
Engines and turbines	1,573	1,513	1,898	+4.0	-20.3	+9.3	1,587	1,287	2,054	1,455	+9.1	11,741	12,125
Construction, mining and material handling equipment	2,387	2,245	2,358	+6.3	-4.8	+3.0	2,247	2,140	2,529	2,335	-3.8	17,946	19,154
Metalworking machinery	1,900	2,157	2,063	-11.9	+4.6	+5.7	1,794	1,884	2,361	1,946	-7.8	16,387	15,079
Computer and office equipment	6,002	5,777	5,924	+3.9	-2.5	+2.4	5,391	4,347	7,812	4,631	+16.4	42,756	39,283
Electronic and other electrical equipment	17,401	18,157	17,477	-4.2	+3.9	+2.3	17,166	16,258	18,351	15,812	+8.6	135,355	128,321
Electrical transmission and distribution equipment and industrial apparatus	2,307	2,279	2,273	+1.2	+0.3	+0.2	2,252	2,036	2,411	2,171	+3.7	18,170	18,250
Electric lighting and wiring equipment	1,632	1,649	1,679	-1.0	-1.8	-2.1	1,643	1,412	1,772	1,616	+1.7	13,060	13,040
Communications equipment	3,740	4,336	3,826	-13.7	+13.3	+3.7	3,510	3,810	4,246	2,847	+23.3	28,900	24,324
Electronic components	5,499	5,639	5,583	-2.5	+1.0	+7.2	5,401	5,125	5,518	4,911	+10.0	42,966	41,199
Transportation equipment	28,694	27,610	31,391	+3.9	-12.0	+1.9	26,742	20,540	33,515	30,521	-12.4	235,669	232,157
Aircraft, missiles, space vehicles, and parts	7,551	7,089	9,921	+6.5	-28.5	+11.6	5,834	5,464	10,457	9,627	-39.4	66,520	82,393
Shipbuilding and tanks	536	288	406	+86.1	-29.1	-49.4	547	296	463	1,843	-70.3	5,363	9,458
Instruments and related products	9,963	9,759	9,134	+2.1	+6.8	-4.4	9,348	9,034	9,964	10,013	-6.6	76,158	78,149
Search and navigation equipment	2,048	2,212	1,814	-7.4	+21.9	-13.7	1,674	2,087	1,937	3,082	-45.7	17,330	20,640
Measuring and controlling devices	2,535	2,648	2,627	-4.3	+0.8	+6.3	2,509	2,431	2,815	2,400	+4.5	20,516	20,206
Medical instruments and supplies	3,303	2,883	2,674	+14.6	+7.8	-6.6	3,236	2,738	2,849	2,714	+19.2	22,720	21,500
All other durable goods	13,394	13,819	13,782	-3.1	+0.3	+4.5	13,875	13,296	14,581	13,190	+5.2	108,831	99,078
Nondurable goods industries	117,845	122,446	121,378	-3.8	+0.9	+2.1	120,579	117,345	126,379	119,766	+0.7	940,565	924,144
With unfilled orders	28,252	29,409	28,689	-3.9	+2.5	+1.6	29,186	27,977	29,159	29,728	-1.8	225,838	225,257

[p] Preliminary. [r] Revised.

[1] Shipments and new orders are the totals for the period and are adjusted for trading-day and calendar-month variations.

(n) When new orders for a prior month are negative because of cancellations, the percentage change calculation is algebraically negative, even though there is a net dollar increase from the prior month to the current month.

Table 3. VALUE OF MANUFACTURERS' UNFILLED ORDERS FOR INDUSTRY GROUPS
(Millions of dollars)

Industry	Seasonally adjusted						Not seasonally adjusted				
	Monthly			Percent Change			Monthly				Percent change
	Aug. 1992[p]	July 1992[r]	June 1992	July-Aug.	June-July	May-June	Aug. 1992[p]	July 1992[r]	June 1992	Aug. 1991	Aug. 92/91
All manufacturing industries	482,135	485,883	490,792	-0.8	-1.0	-0.5	481,387	487,247	491,103	516,664	-6.8
Manufacturing industries without defense capital goods	350,305	352,947	355,410	-0.7	-0.7	-0.5	351,815	355,042	356,278	369,109	-4.7
Durable goods industries	459,050	462,743	467,671	-0.8	-1.1	-0.6	457,715	463,647	467,905	493,436	-7.2
Stone, clay, and glass products	6,953	7,036	6,910	-1.2	+1.8	+1.6	7,194	7,209	6,947	6,522	+10.3
Primary metals	21,294	21,065	20,943	+1.1	+0.6	+1.0	21,076	21,414	21,245	22,338	-5.6
Blast furnaces, steel mills	8,114	8,122	8,127	-0.1	-0.1	+1.5	8,041	8,223	8,065	9,529	-15.6
Iron and steel foundries	2,829	2,818	2,858	+0.4	-1.4	+0.3	2,860	2,809	2,862	3,022	-5.4
Nonferrous and other primary metals	10,351	10,125	9,958	+2.2	+1.7	+0.9	10,175	10,382	10,318	9,787	+4.0
Fabricated metal products	22,562	22,802	23,291	-1.1	-2.1	-0.9	22,755	22,953	23,229	25,238	-9.8
Industrial machinery and equipment	51,164	51,547	51,919	-0.7	-0.7	-0.7	51,191	51,458	51,881	54,745	-6.5
Engines and turbines	10,742	10,624	10,609	+1.1	+0.1	+2.0	10,764	10,511	10,359	9,818	+9.6
Construction, mining and material handling equipment	6,035	6,039	6,086	-0.1	-0.8	-1.3	5,938	5,998	6,049	6,212	-4.4
Metalworking machinery	7,699	8,010	7,958	-3.9	+0.7	-1.8	7,699	8,010	7,958	7,591	+1.4
Computer and office equipment	7,944	7,893	8,263	+0.6	-4.5	-2.3	8,174	8,020	8,311	11,150	-26.7
Electronic and other electrical equipment	42,035	41,957	41,943	+0.2	0.0	+0.4	42,133	42,164	42,068	42,721	-1.4
Electrical transmission and distribution equipment and industrial apparatus	6,014	6,033	6,190	-0.3	-2.5	-0.9	6,016	6,026	6,148	6,607	-8.9
Electric lighting and wiring equipment	2,832	2,814	2,853	+0.6	-1.4	-3.0	2,832	2,814	2,853	2,972	-4.7
Communications equipment	14,414	14,431	14,376	-0.1	+0.4	+0.4	14,374	14,473	14,340	14,620	-1.7
Electronic components	14,489	14,333	14,121	+1.1	+1.5	+2.0	14,489	14,452	14,401	13,762	+5.3
Transportation equipment	254,185	257,219	261,183	-1.2	-1.5	-0.5	252,277	256,473	260,744	275,265	-8.4
Aircraft, missiles, space vehicles, and parts	221,876	224,107	227,160	-1.0	-1.3	-0.5	219,878	223,241	226,807	238,454	-7.8
Shipbuilding and tanks	24,253	24,827	25,642	-2.3	-3.2	-2.4	24,414	24,974	25,717	30,011	-18.6
Instruments and related products	53,069	53,189	53,591	-0.2	-0.8	-2.4	52,856	53,294	53,496	59,008	-10.4
Search and navigation equipment	35,550	36,121	36,581	-1.6	-1.3	-2.6	35,330	36,214	36,413	40,585	-12.9
Measuring and controlling devices	8,411	8,508	8,485	-1.1	+0.3	-0.2	8,411	8,508	8,485	8,893	-5.4
Medical instruments and supplies	8,141	7,647	7,601	+6.5	+0.6	-3.7	8,141	7,647	7,601	8,500	-4.2
All other durable goods	7,788	7,928	7,891	-1.8	+0.5	+2.5	8,233	8,682	8,295	7,599	+8.3
Nondurable goods industries	23,085	23,140	23,121	-0.2	+0.1	-0.2	23,672	23,600	23,198	23,228	+1.9

[p] Preliminary. [r] Revised.

Table 4. VALUE OF MANUFACTURERS' INVENTORIES FOR INDUSTRY GROUPS
(Millions of dollars)

Industry	Seasonally adjusted						Not seasonally adjusted				
	Monthly			Percent Change			Monthly				Percent change
	Aug. 1992[p]	July 1992[r]	June 1992	July-Aug.	June-July	May-June	Aug. 1992[p]	July 1992[r]	June 1992	Aug. 1991	Aug. 92/91
All manufacturing industries	385,599	383,491	382,854	+0.5	+0.2	-0.1	386,969	383,467	381,008	389,161	-0.6
lanufacturing industries											
vith unfilled orders	257,636	256,541	256,901	+0.4	-0.1	-0.4	259,818	258,055	257,051	267,833	-3.0
vithout defense capital goods	352,679	349,809	348,690	+0.8	+0.3	0.0	353,449	349,331	346,841	351,262	+0.6
urable goods industries	242,031	241,258	241,891	+0.3	-0.3	-0.2	243,433	241,616	241,110	251,675	-3.3
With unfilled orders	223,684	222,930	223,473	+0.3	-0.2	-0.3	225,402	223,851	223,213	233,796	-3.6
one, clay, and glass products	8,017	7,941	7,955	+1.0	-0.2	+0.4	7,932	7,966	8,001	7,958	-0.3
rimary metals	20,004	19,833	19,835	+0.9	0.0	0.0	20,035	19,838	19,750	20,873	-4.0
Blast furnaces, steel mills	9,843	9,828	9,816	+0.2	+0.1	+0.7	9,853	9,809	9,644	10,317	-4.5
Iron and steel foundries	1,426	1,414	1,420	+0.8	-0.4	+0.3	1,412	1,388	1,441	1,407	+0.4
Nonferrous and other primary metals	8,735	8,591	8,599	+1.7	-0.1	-0.8	8,770	8,641	8,665	9,149	-4.1
abricated metal products	23,330	23,258	22,973	+0.3	+1.2	0.0	23,212	23,224	23,127	22,938	+1.2
ndustrial machinery and equipment	45,165	44,906	44,845	+0.6	+0.1	-0.5	45,488	44,894	44,449	48,212	-5.7
Engines and turbines	3,577	3,489	3,381	+2.5	+3.2	-2.9	3,732	3,563	3,396	3,634	+2.7
Farm and garden machinery	2,311	2,319	2,313	-0.3	+0.3	+2.6	2,228	2,219	2,273	2,369	-6.0
Construction, mining and material handling equipment	5,922	5,970	6,005	-0.8	-0.6	-0.2	5,886	5,920	6,032	6,816	-13.6
Metalworking machinery	5,681	5,677	5,591	+0.1	+1.5	+1.2	5,761	5,698	5,534	5,822	-1.0
Computer and office equipment	9,557	9,387	9,438	+1.8	-0.5	-1.4	9,853	9,490	9,094	10,421	-5.5
lectronic and other electrical equipment	31,093	30,895	31,009	+0.6	-0.4	+0.4	31,358	31,140	31,268	31,698	-1.1
Electrical transmission and distribution equipment and industrial apparatus	4,340	4,311	4,269	+0.7	+1.0	-1.0	4,340	4,301	4,266	4,395	-1.3
Household appliances	2,718	2,719	2,760	0.0	-1.5	+1.6	2,636	2,705	2,859	2,594	+1.6
Electric lighting and wiring equipment	3,000	2,990	2,961	+0.3	+1.0	0.0	3,015	3,044	3,056	3,068	-1.7
Household audio and video equipment	1,212	1,236	1,263	-1.9	-2.1	-0.5	1,277	1,286	1,301	1,160	+10.1
Communications equipment	7,423	7,314	7,400	+1.5	-1.2	+1.0	7,514	7,348	7,369	7,301	+2.9
Electronic components	8,905	8,841	8,839	+0.7	0.0	+0.8	9,039	8,951	8,875	9,568	-5.5
ransportation equipment	70,239	70,146	70,889	+0.1	-1.0	-0.9	70,989	70,143	70,228	75,420	-5.9
Motor vehicles and parts	12,468	12,230	12,284	+1.9	-0.4	0.0	12,535	11,725	11,718	12,668	-1.0
Aircraft, missiles, space vehicles, and parts	53,324	53,536	54,207	-0.4	-1.2	-1.2	53,918	53,963	54,077	58,502	-7.8
Shipbuilding and tanks	2,076	2,025	2,066	+2.5	-2.0	-0.1	2,159	2,102	2,097	1,975	+9.3
struments and related products	23,874	23,920	23,918	-0.2	0.0	+0.2	24,144	24,126	23,976	25,229	-4.3
Search and navigation equipment	7,378	7,485	7,526	-1.4	-0.5	-0.8	7,554	7,636	7,542	8,796	-14.1
Measuring and controlling devices	6,667	6,685	6,695	-0.3	-0.1	-0.2	6,720	6,703	6,689	6,922	-2.9
Medical instruments and supplies	6,299	6,232	6,161	+1.1	+1.2	+1.3	6,274	6,226	6,169	5,956	+5.3
Photographic goods	2,884	2,871	2,890	+0.5	-0.7	+0.9	2,947	2,905	2,909	2,885	+2.1
l other durable goods	20,309	20,359	20,467	-0.2	-0.5	+0.5	20,275	20,285	20,311	19,347	+4.8
ondurable goods industries	143,568	142,233	140,963	+0.9	+0.9	+0.1	143,536	141,851	139,898	137,486	+4.4
With unfilled orders	33,952	33,611	33,428	+1.0	+0.5	-0.8	34,416	34,204	33,838	34,037	+1.1
od and kindred products	30,681	30,558	30,531	+0.4	+0.1	+0.7	30,794	29,663	28,955	29,280	+5.2
Meat products	2,811	2,786	2,770	+0.9	+0.6	+1.2	2,755	2,772	2,787	2,780	-0.9
Dairy products	2,884	2,876	2,911	+0.3	-1.2	+2.9	2,968	2,974	2,951	2,527	+17.5
Beverages	5,703	5,670	5,614	+0.6	+1.0	+1.1	5,543	5,578	5,578	5,149	+7.7
All other foods, except fats and oils	17,580	17,545	17,551	+0.2	0.0	+0.1	18,055	16,827	16,068	17,459	+3.4
bacco products	6,920	6,751	6,460	+2.5	+4.5	-5.6	6,678	6,307	6,060	6,242	+7.0
xtile mill products	9,112	9,032	8,942	+0.9	+1.0	+1.1	9,206	9,213	9,035	8,631	+6.7
Broadwoven fabrics and other textiles	5,307	5,268	5,124	+0.7	+2.8	+0.1	5,318	5,344	5,133	5,176	+2.7
per and allied products	13,736	13,631	13,554	+0.8	+0.6	-1.5	13,596	13,632	13,662	13,066	+4.1
Pulp, paper, and paperboard mill products	5,799	5,725	5,763	+1.3	-0.7	+0.6	5,718	5,687	5,766	5,227	+9.4
Paperboard containers and boxes	3,276	3,293	3,275	-0.5	+0.5	-0.3	3,240	3,309	3,261	3,160	+2.5
Miscellaneous converted paper products	4,661	4,613	4,516	+1.0	+2.1	-4.8	4,638	4,636	4,635	4,679	-0.9
emicals and allied products	34,721	34,221	33,893	+1.5	+1.0	-0.4	34,508	34,245	33,792	33,369	+3.4
Industrial chemicals	17,516	17,335	17,304	+1.0	+0.2	+0.9	17,358	17,373	17,274	17,110	+1.4
Drugs, soaps, and toiletries	12,665	12,417	12,209	+2.0	+1.7	-2.3	12,842	12,610	12,374	11,905	+7.9
troleum and coal products	12,020	12,071	11,823	-0.4	+2.1	+3.1	11,864	12,025	11,849	11,846	+0.2
bber and plastics products	11,179	11,112	11,077	+0.6	+0.3	+1.1	11,004	11,019	10,990	11,106	-0.9
other nondurable goods	25,199	24,857	24,683	+1.4	+0.7	+0.3	25,886	25,747	25,555	23,946	+8.1

[p] Preliminary. [r] Revised.

Table 5. VALUE OF MANUFACTURERS' SHIPMENTS AND NEW ORDERS FOR TOPICAL SERIES[1]
(Millions of dollars)

Industry	Seasonally adjusted						Not seasonally adjusted [2]						
	Monthly			Percent Change			Monthly				Percent change	Year to date	
	Aug. 1992[p]	July 1992[r]	June 1992	July-Aug.	June-July	May-June	Aug. 1992[p]	July 1992[r]	June 1992	Aug. 1991	Aug. 92/91	1992[p]	1991
SHIPMENTS													
All manufacturing industries	241,344	247,216	247,252	-2.4	0.0	+2.4	242,746	226,244	264,164	238,300	+1.9	1,912,924	1,848,497
Market categories :													
Automotive equipment	9,923	9,569	9,717	+3.7	-1.5	-0.9	9,798	7,053	10,485	8,952	+9.5	76,578	66,404
Home goods and apparel	16,776	17,112	16,492	-2.0	+3.8	0.0	18,042	16,212	17,375	16,541	+9.1	128,763	115,786
Consumer staples	54,060	56,533	56,216	-4.4	+0.6	+3.0	54,612	53,475	58,674	54,515	+0.2	429,669	425,577
Machinery and equipment	39,534	39,905	40,895	-0.9	-2.4	+5.5	37,564	34,488	46,058	36,287	+3.5	309,965	296,530
Business supplies	18,595	19,659	19,308	-5.4	+1.8	+1.3	18,672	18,401	19,707	19,253	-3.0	149,045	152,126
Construction materials and supplies	15,269	15,434	15,412	-1.1	+0.1	+1.1	16,272	15,089	16,961	15,079	+7.9	121,155	111,078
Defense products	7,922	8,268	8,229	-4.2	+0.5	+1.6	7,799	7,395	8,673	8,866	-12.0	63,955	65,097
Other materials, supplies and and intermediate products	79,265	80,736	80,983	-1.8	-0.3	+2.0	79,987	74,131	86,231	78,807	+1.5	633,794	615,899
Durable goods industries :													
Nondefense capital goods [3]	31,153	31,847	32,830	-2.2	-3.0	+7.3	29,295	27,980	37,737	28,705	+2.1	244,656	236,889
Excluding aircraft and parts	25,564	26,227	26,176	-2.5	+0.2	+4.9	24,193	22,933	30,206	22,969	+5.3	197,202	190,000
Defense capital goods [4]	7,683	8,076	8,057	-4.9	+0.2	+2.8	7,493	7,096	8,544	8,765	-14.5	62,151	64,422
Durables excluding capital goods	84,608	84,866	84,944	-0.3	-0.1	+1.2	85,451	74,225	91,320	81,567	+4.8	666,683	625,151
Miscellaneous series :													
Producers' durable equipment	77,384	78,024	79,345	-0.8	-1.7	+3.9	75,104	65,772	87,606	72,446	+3.7	607,544	571,889
Household durable goods	7,224	7,353	6,960	-1.8	+5.6	-0.8	7,399	6,284	7,321	7,000	+5.7	54,749	50,889
Information technology industries	14,137	14,854	14,419	-4.8	+3.0	+4.5	13,154	12,361	17,292	12,268	+7.2	107,935	100,360
Health care equipment and products	7,679	7,886	7,960	-2.6	-0.9	+2.9	7,682	7,390	8,349	7,399	+3.8	61,295	57,944
NEW ORDERS													
All manufacturing industries	237,596	242,307	244,542	-1.9	-0.9	+2.4	236,886	222,388	259,174	237,368	-0.2	1,892,046	1,846,490
Market categories :													
Automotive equipment	9,903	9,544	9,700	+3.8	-1.6	-1.2	9,778	7,070	10,425	8,979	+8.9	76,585	66,480
Home goods and apparel	16,919	17,192	16,814	-1.6	+2.2	+2.9	17,991	16,552	17,501	16,802	+7.1	130,679	117,796
Consumer staples	54,052	56,580	56,209	-4.5	+0.7	+3.0	54,635	53,566	58,733	54,537	+0.2	429,722	425,630
Machinery and equipment	37,008	37,781	39,210	-2.0	-3.6	0.0	34,943	32,447	44,126	34,695	+0.7	302,044	291,880
Business supplies	18,565	19,675	19,389	-5.6	+1.5	+1.8	18,685	18,530	19,689	19,264	-3.0	149,222	152,211
Construction materials and supplies	15,254	15,379	15,396	-0.8	-0.1	+1.2	16,198	15,138	16,889	15,031	+7.8	121,327	112,110
Defense products	7,041	5,914	7,681	+19.1	-23.0	+22.0	5,457	4,849	7,433	8,968	-39.2	50,548	60,701
Other materials, supplies and and intermediate products	78,854	80,242	80,143	-1.7	+0.1	+2.5	79,199	74,236	84,378	79,092	+0.1	631,919	619,682
Durable goods industries :													
Nondefense capital goods [3]	28,149	29,296	30,953	-3.9	-5.4	+1.6	26,444	25,528	35,541	27,710	-4.6	235,287	235,361
Excluding aircraft and parts	24,769	25,559	25,885	-3.1	-1.3	+4.9	23,551	22,364	29,596	22,452	+4.9	195,605	185,552
Defense capital goods [4]	6,577	5,630	7,167	+16.8	-21.4	+22.4	4,860	4,476	6,939	8,708	-44.2	48,092	60,140
Durables excluding capital goods	85,025	84,935	85,044	+0.1	-0.1	+1.9	85,003	75,039	90,315	81,184	+4.7	668,102	626,845
Miscellaneous series :													
Producers' durable equipment	74,841	75,274	78,047	-0.6	-3.6	+1.6	72,469	63,979	85,309	70,525	+2.8	599,540	564,817
Household durable goods	7,198	7,388	6,952	-2.6	+6.3	+0.7	7,286	6,497	7,223	7,131	+2.2	55,894	52,270
Information technology industries	13,975	14,527	13,978	-3.8	+3.9	+1.2	13,065	12,117	16,771	11,911	+9.7	106,270	99,583
Health care equipment and products	8,172	7,932	7,665	+3.0	+3.5	-1.2	8,175	7,437	8,054	7,411	+10.3	61,243	57,523

[p] Preliminary. [r] Revised.

[1] Topical series are regroupings of the separate industry categories.

[2] Shipments and new orders are the totals for the period and are adjusted for trading-day and calendar-month variations.

[3] Nondefense capital goods industries include : ordnance and accessories; steam, gas and hydraulic turbines; internal combustion engines; construction, mining, and material handling equipment; metalworking machinery; special industry machinery; general industrial machinery; computer and office equipment; refrigeration, heating and service industry machinery; electrical transmission and distribution equipment; electrical industrial apparatus; communications equipment; aircraft, missiles, space vehicles, and engines and parts; ships and tank components; railroad equipment; and search and navigation equipment

[4] Defense capital goods industries include : ordnance and accessories; communications equipment; aircraft, missiles, space vehicles, and engines and parts; ships, tanks and tank components; and search and navigation equipment.

Table 6. VALUE OF MANUFACTURERS' UNFILLED ORDERS AND TOTAL INVENTORIES FOR TOPICAL SERIES[1]
(Millions of dollars)

Industry	Seasonally adjusted						Not seasonally adjusted				
	Monthly			Percent Change			Monthly				Percent change
	Aug. 1992[p]	July 1992[r]	June 1992	July-Aug.	June-July	May-June	Aug. 1992[p]	July 1992[r]	June 1992	Aug. 1991	Aug. 92/91
UNFILLED ORDERS											
l manufacturing industries	482,135	485,883	490,792	-0.8	-1.0	-0.5	481,387	487,247	491,103	516,664	-6.8
ket categories :											
utomotive equipment	1,680	1,700	1,725	-1.2	-1.4	-0.9	1,681	1,701	1,685	1,584	+6.1
ome goods and apparel	9,832	9,689	9,608	+1.5	+0.8	+3.5	10,355	10,406	10,066	9,718	+6.6
onsumer staples	1,292	1,299	1,253	-0.5	+3.7	-0.5	1,338	1,315	1,224	1,351	-1.0
lachinery and equipment	205,849	208,375	210,500	-1.2	-1.0	-0.8	205,941	208,562	210,602	218,508	-5.8
usiness supplies	5,774	5,804	5,788	-0.5	+0.3	+1.4	5,934	5,921	5,791	5,997	-1.1
onstruction materials and supplies	13,920	13,935	13,991	-0.1	-0.4	-0.1	14,050	14,124	14,075	14,287	-1.7
efense products	124,930	125,811	128,165	-0.7	-1.8	-0.4	122,617	124,958	127,503	138,809	-11.7
ther materials, supplies and and intermediate products	118,858	119,270	119,762	-0.3	-0.4	-0.7	119,471	120,260	120,157	126,410	-5.5
able goods industries :											
ondefense capital goods [3]	225,137	228,141	230,692	-1.3	-1.1	-0.8	225,232	228,083	230,535	240,439	-6.3
Excluding aircraft and parts	72,971	73,766	74,434	-1.1	-0.9	-0.4	73,066	73,708	74,277	77,235	-5.4
efense capital goods [4]	131,830	132,936	135,382	-0.8	-1.8	-0.7	129,572	132,205	134,825	147,555	-12.2
urables excluding capital goods	102,083	101,666	101,597	+0.4	+0.1	+0.1	102,911	103,359	102,545	105,442	-2.4
ellaneous series :											
oducers' durable equipment	227,928	230,471	233,221	-1.1	-1.2	-0.6	228,759	231,394	233,187	242,909	-5.8
ousehold durable goods	5,202	5,228	5,193	-0.5	+0.7	-0.2	5,635	5,748	5,535	5,624	+0.2
formation technology industries	31,753	31,915	32,242	-0.5	-1.0	-1.3	31,976	32,065	32,309	35,892	-10.9
ealth care equipment and products	8,170	7,676	7,630	+6.4	+0.6	-3.7	8,170	7,677	7,630	8,528	-4.2
TOTAL INVENTORIES											
l manufacturing industries	385,599	383,491	382,854	+0.5	+0.2	-0.1	386,969	383,467	381,008	389,161	-0.6
ket categories :											
utomotive equipment	6,424	6,318	6,340	+1.7	-0.3	-0.1	6,411	6,120	6,154	6,415	-0.1
ome goods and apparel	29,197	29,014	28,874	+0.6	+0.5	+1.3	29,434	29,685	29,815	26,003	+13.2
onsumer staples	59,599	59,073	58,329	+0.9	+1.3	-0.6	59,765	58,146	56,841	57,272	+4.4
achinery and equipment	88,152	87,218	87,332	+1.1	-0.1	-0.1	88,655	87,259	86,902	91,215	-2.8
usiness supplies	22,103	21,792	21,706	+1.4	+0.4	-0.4	22,360	21,994	21,786	22,479	-0.5
onstruction materials and supplies	23,017	23,062	23,060	-0.2	0.0	+0.6	22,896	23,073	23,108	22,633	+1.2
efense products	30,777	31,309	31,783	-1.7	-1.5	-1.6	31,315	31,726	31,796	35,602	-12.0
ther materials, supplies and and intermediate products	126,330	125,705	125,430	+0.5	+0.2	+0.1	126,133	125,464	124,606	127,542	-1.1
able goods industries :											
ondefense capital goods [3]	83,023	82,130	82,312	+1.1	-0.2	-0.5	83,760	82,471	81,927	87,347	-4.1
Excluding aircraft and parts	54,539	54,208	54,190	+0.6	0.0	-0.4	55,151	54,467	53,946	57,318	-3.8
efense capital goods [4]	32,920	33,682	34,164	-2.3	-1.4	-1.6	33,520	34,136	34,167	37,899	-11.6
urables excluding capital goods	126,088	125,446	125,415	+0.5	0.0	+0.3	126,153	125,009	125,016	126,429	-0.2
ellaneous series :											
oducers' durable equipment	143,115	141,772	141,803	+0.9	0.0	0.0	143,727	141,530	141,173	145,293	-1.1
ousehold durable goods	13,075	13,046	13,046	+0.2	0.0	+0.8	13,154	13,215	13,295	12,426	+5.9
formation technology industries	27,979	27,749	27,944	+0.8	-0.7	-0.3	28,520	27,998	27,575	29,175	-2.2
ealth care equipment and products	13,177	12,979	12,798	+1.5	+1.4	-0.5	13,244	13,075	12,891	12,430	+6.5

e footnotes at end of table 5.

Table 7. VALUE OF MANUFACTURERS' INVENTORIES, BY STAGE OF FABRICATION, BY INDUSTRY GROUP
(Millions of dollars)

Industry	Seasonally adjusted						Not seasonally adjusted				
	Monthly			Percent Change			Monthly				Percent change
	Aug. 1992[p]	July 1992[r]	June 1992	July-Aug.	June-July	May-June	Aug. 1992[p]	July 1992[r]	June 1992	Aug. 1991	Aug. 92/91
MATERIALS AND SUPPLIES											
All manufacturing industries	120,036	119,762	119,832	+0.2	-0.1	+0.9	119,832	119,216	118,558	120,165	-0.
Durable goods industries	67,257	66,800	67,304	+0.7	-0.7	+0.9	67,675	66,601	66,640	69,240	-2
Stone, clay, and glass products	2,467	2,421	2,411	+1.9	+0.4	+1.6	2,471	2,439	2,409	2,497	-1
Primary metals	6,150	6,164	6,222	-0.2	-0.9	+2.3	6,204	6,141	6,095	6,487	-4.
Fabricated metal products	8,191	8,171	8,130	+0.2	+0.5	-0.5	8,254	8,185	8,115	8,223	+0
Industrial machinery and equipment	13,475	13,136	13,169	+2.6	-0.3	+2.0	13,563	13,126	13,100	13,945	-2.
Electronic and other electrical equipment	9,111	9,024	9,237	+1.0	-2.3	+0.2	9,158	9,092	9,144	9,661	-5.
Transportation equipment	13,067	13,056	13,271	+0.1	-1.6	-0.1	13,204	12,856	13,145	14,170	-6.
Instruments and related products	7,084	7,011	7,008	+1.0	0.0	+0.7	7,143	7,052	7,053	6,769	+5
Lumber, furniture and miscellaneous durable goods	7,712	7,817	7,856	-1.3	-0.5	+1.4	7,678	7,710	7,579	7,488	+2.
Nondurable goods industries	52,779	52,962	52,528	-0.3	+0.8	+0.9	52,157	52,615	51,918	50,925	+2
Food and kindred products	10,115	10,172	10,202	-0.6	-0.3	+0.4	9,783	9,937	9,912	9,371	+4
Tobacco products	5,300	5,348	5,244	-0.9	+2.0	+3.0	4,996	4,977	4,938	4,688	+6
Textile mill products	2,780	2,816	2,750	-1.3	+2.4	+2.2	2,783	2,896	2,781	2,507	+11
Paper and allied products	6,890	6,884	6,827	+0.1	+0.8	-1.8	6,818	6,847	6,831	6,589	+3
Chemicals and allied products	11,760	11,776	11,744	-0.1	+0.3	+1.5	11,810	11,865	11,782	11,775	+0
Petroleum and coal products	3,171	3,223	2,977	-1.6	+8.3	0.0	3,122	3,197	2,987	3,219	-3
Rubber and plastics products	4,370	4,381	4,373	-0.3	+0.2	+1.5	4,288	4,339	4,263	4,256	+0
Apparel, printing and publishing and leather goods	8,393	8,362	8,411	+0.4	-0.6	+1.2	8,557	8,557	8,424	8,520	+0
WORK IN PROCESS											
All manufacturing industries	134,639	134,287	135,185	+0.3	-0.7	-0.8	135,987	135,120	134,637	142,512	-4
Durable goods industries	111,677	111,644	112,540	0.0	-0.8	-1.0	112,892	112,331	112,201	120,515	-6
Stone, clay, and glass products	1,139	1,135	1,118	+0.4	+1.5	-1.4	1,126	1,140	1,128	1,135	-0
Primary metals	7,510	7,490	7,587	+0.3	-1.3	-0.6	7,590	7,566	7,607	8,154	-6
Fabricated metal products	7,524	7,541	7,383	-0.2	+2.1	+0.7	7,491	7,494	7,325	7,598	-1
Industrial machinery and equipment	18,323	18,208	18,405	+0.6	-1.1	-2.5	18,444	18,176	18,253	20,053	-8
Electronic and other electrical equipment	13,164	12,944	12,885	+1.7	+0.5	0.0	13,337	13,107	12,988	13,323	+0
Transportation equipment	48,728	48,873	49,624	-0.3	-1.5	-1.1	49,337	49,245	49,349	52,945	-6
Instruments and related products	11,113	11,265	11,308	-1.3	-0.4	-0.9	11,339	11,397	11,313	13,095	-13
Lumber, furniture and miscellaneous durable goods	4,176	4,188	4,230	-0.3	-1.0	-0.9	4,228	4,206	4,238	4,212	+0
Nondurable goods industries	22,962	22,643	22,645	+1.4	0.0	+0.2	23,095	22,789	22,436	21,997	+5
Food and kindred products	3,555	3,457	3,423	+2.8	+1.0	+0.8	3,349	3,308	3,261	3,294	+1
Tobacco products	52	58	61	-10.3	-4.9	+7.0	45	44	45	71	-36
Textile mill products	2,475	2,431	2,454	+1.8	-0.9	-1.5	2,512	2,463	2,452	2,493	+0
Paper and allied products	1,107	1,113	1,091	-0.5	+2.0	+0.3	1,122	1,152	1,118	1,233	-9
Chemicals and allied products	5,485	5,372	5,454	+2.1	-1.5	-0.5	5,569	5,418	5,428	5,244	+6
Petroleum and coal products	3,050	3,055	3,095	-0.2	-1.3	+2.8	3,057	3,076	3,137	2,932	+4
Rubber and plastics products	1,472	1,484	1,490	-0.8	-0.4	-0.7	1,478	1,468	1,436	1,586	-6
Apparel, printing and publishing and leather goods	5,766	5,673	5,577	+1.6	+1.7	-0.1	5,963	5,860	5,559	5,144	+15
FINISHED GOODS											
All manufacturing industries	130,924	129,442	127,837	+1.1	+1.3	-0.2	131,150	129,131	127,813	126,484	+3
Durable goods industries	63,097	62,814	62,047	+0.5	+1.2	+0.1	62,866	62,684	62,269	61,920	+1
Stone, clay, and glass products	4,411	4,385	4,426	+0.6	-0.9	+0.2	4,335	4,387	4,464	4,326	+0
Primary metals	6,344	6,179	6,026	+2.7	+2.5	-1.6	6,241	6,131	6,048	6,232	+0.
Fabricated metal products	7,615	7,546	7,460	+0.9	+1.2	-0.2	7,467	7,545	7,687	7,117	+4
Industrial machinery and equipment	13,367	13,562	13,271	-1.4	+2.2	0.0	13,481	13,592	13,096	14,214	-5.
Electronic and other electrical equipment	8,818	8,927	8,887	-1.2	+0.5	+1.3	8,863	8,941	9,136	8,714	+1.
Transportation equipment	8,444	8,217	7,994	+2.8	+2.8	-0.8	8,448	8,042	7,734	8,305	+1.
Instruments and related products	5,677	5,644	5,602	+0.6	+0.7	+1.7	5,662	5,677	5,610	5,365	+5.
Lumber, furniture and miscellaneous durable goods	8,421	8,354	8,381	+0.8	-0.3	+0.3	8,369	8,369	8,494	7,647	+9.
Nondurable goods industries	67,827	66,628	65,790	+1.8	+1.3	-0.6	68,284	66,447	65,544	64,564	+5.
Food and kindred products	17,011	16,929	16,906	+0.5	+0.1	+0.9	17,662	16,418	15,782	16,615	+6.
Tobacco products	1,568	1,345	1,155	+16.6	+16.5	-31.9	1,637	1,286	1,077	1,483	+10.
Textile mill products	3,857	3,785	3,738	+1.9	+1.3	+1.9	3,911	3,854	3,802	3,631	+7.
Paper and allied products	5,739	5,634	5,636	+1.9	0.0	-1.4	5,656	5,633	5,713	5,244	+7.
Chemicals and allied products	17,476	17,073	16,695	+2.4	+2.3	-1.7	17,129	16,962	16,582	16,350	+4.
Petroleum and coal products	5,799	5,793	5,751	+0.1	+0.7	+4.8	5,685	5,752	5,725	5,695	-0.
Rubber and plastics products	5,337	5,247	5,214	+1.7	+0.6	+1.3	5,238	5,212	5,291	5,264	-0
Apparel, printing and publishing and leather goods	11,040	10,822	10,695	+2.0	+1.2	-0.3	11,366	11,330	11,572	10,282	+10

[p] Prelimary. [r] Revised.

Table 8. RATIOS OF MANUFACTURES' INVENTORIES TO SHIPMENTS AND UNFILLED ORDERS TO SHIPMENTS, BY INDUSTRY GROUP
(Based on seasonally adjusted data)

Industry	Inventory / Shipments ratio				Unfilled Orders / Shipments ratio[1]			
	Aug. 1992[p]	July 1992[r]	June 1992	May 1992	Aug. 1992[p]	July 1992[r]	June 1992	May 1992
ll manufacturing industries	1.60	1.55	1.55	1.59	3.74	3.67	3.71	3.84
able goods industries	1.96	1.93	1.92	1.98	4.56	4.50	4.52	4.71
one, clay, and glass products	1.48	1.44	1.50	1.53	1.38	1.38	1.41	1.43
imary metals	1.83	1.78	1.76	1.77	1.95	1.89	1.85	1.85
bricated metal products	1.73	1.74	1.71	1.76	1.84	1.86	1.91	1.98
dustrial machinery and equipment	2.16	2.13	2.07	2.18	2.57	2.58	2.53	2.68
ectronic and other lectrical equipment	1.79	1.70	1.79	1.80	2.43	2.31	2.43	2.43
ansportation equipment	2.21	2.22	2.16	2.24	14.05	13.74	13.21	14.09
struments and related products	2.37	2.35	2.28	2.36	5.26	5.23	5.12	5.44
durable goods industries	1.22	1.16	1.16	1.18	0.82	0.79	0.80	0.81
od and kindred products	0.94	0.94	0.94	0.92	(X)	(X)	(X)	(X)
bacco products	3.41	2.04	1.83	3.16	(X)	(X)	(X)	(X)
xtile mill products	1.50	1.46	1.45	1.47	(NA)	(NA)	(NA)	(NA)
per and allied products	1.30	1.28	1.29	1.32	(NA)	(NA)	(NA)	(NA)
emicals and allied products	1.40	1.34	1.34	1.36	(X)	(X)	(X)	(X)
troleum and coal products	0.91	0.85	0.82	0.84	(X)	(X)	(X)	(X)
bber and plastics products	1.27	1.24	1.25	1.25	(X)	(X)	(X)	(X)

Preliminary. [r] Revised. (X) Not applicable. (NA) Not available.

Excludes the following industries with no unfilled orders : Wood and lumber products; glass containers; metal cans, barrels and drums; farm and garden machinery; motor vehicle assembly rations; other transportation equipment; foods and related products; tobacco; knitting mill products; apparel and related products; chemicals; petroleum and coal products; and rubber and plastics ducts.

Table 9. REVISIONS TO PREVIOUSLY PUBLISHED MONTHLY PERCENT CHANGES
(Based on seasonally adjusted data)

Industry	Shipments			New orders			Unfilled orders			Inventories		
	Aug.[1] 1992	Aug.[2] 1987-1991	Aug. 1991-July 1992	Aug.[1] 1992	Aug.[2] 1987-1991	Aug. 1991-July 1992	Aug.[1] 1992	Aug.[2] 1987-1991	Aug. 1991-July 1992	Aug.[1] 1992	Aug.[2] 1987-1991	Aug. 1991-July 1992
ll manufacturing industries	(X)	0.3	0.1	(X)	0.6	0.3	(X)	0.2	0.1	(X)	0.0	0.1
able goods industries	-0.1	0.3	0.2	0.0	1.0	0.6	0.0	0.1	0.1	(X)	0.0	0.1
one, clay, and glass products	(X)	1.0	0.9	(X)	0.9	1.5	(X)	0.4	0.6	(X)	0.3	0.3
imary metals	0.2	0.9	0.2	0.4	1.3	0.7	0.1	0.4	0.3	(X)	0.1	0.1
bricated metal products	(X)	0.3	0.3	(X)	0.3	0.6	(X)	0.2	0.3	(X)	0.1	0.2
dustrial machinery and equipment	0.0	0.4	0.3	-0.1	0.3	0.4	0.0	0.1	0.1	(X)	0.1	0.1
ectronic and other lectrical equipment	-0.2	0.6	0.3	-0.2	1.5	0.9	0.0	0.4	0.2	(X)	0.3	0.1
ansportation equipment	0.0	0.2	0.5	-0.3	1.4	1.4	0.0	0.2	0.1	(X)	0.0	0.2
struments and related products	(X)	0.8	0.7	(X)	2.4	0.6	(X)	0.7	0.1	(X)	0.2	0.1
durable goods industries	(X)	0.3	0.1	(X)	0.3	0.1	(X)	0.2	0.5	(X)	0.1	0.2
od and kindred products	(X)	0.5	0.4	(X)	(X)	(X)	(X)	(X)	(X)	(X)	0.1	0.4
bacco products	(X)	0.5	2.4	(X)	(X)	(X)	(X)	(X)	(X)	(X)	0.0	0.1
xtile mill products	(X)	0.4	0.5	(X)	(NA)	(NA)	(X)	(NA)	(NA)	(X)	0.2	0.4
per and allied products	(X)	0.5	0.2	(X)	(NA)	(NA)	(X)	(NA)	(NA)	(X)	0.2	0.4
emicals and allied products	(X)	0.2	0.2	(X)	(X)	(X)	(X)	(X)	(X)	(X)	0.2	0.2
troleum and coal products	(X)	0.2	0.2	(X)	(X)	(X)	(X)	(X)	(X)	(X)	0.2	0.2
bber and plastics products	(X)	0.2	0.4	(X)	(X)	(X)	(X)	(X)	(X)	(X)	0.2	0.3
ital goods industries :												
ndefense	-0.1	0.4	0.5	-0.2	0.9	1.2	0.0	0.1	0.1	(X)	0.1	0.1
fense	0.3	0.6	1.1	0.1	5.8	5.4	0.0	0.3	0.2	(X)	0.0	0.4

X) Not applicable. (NA) Not available.

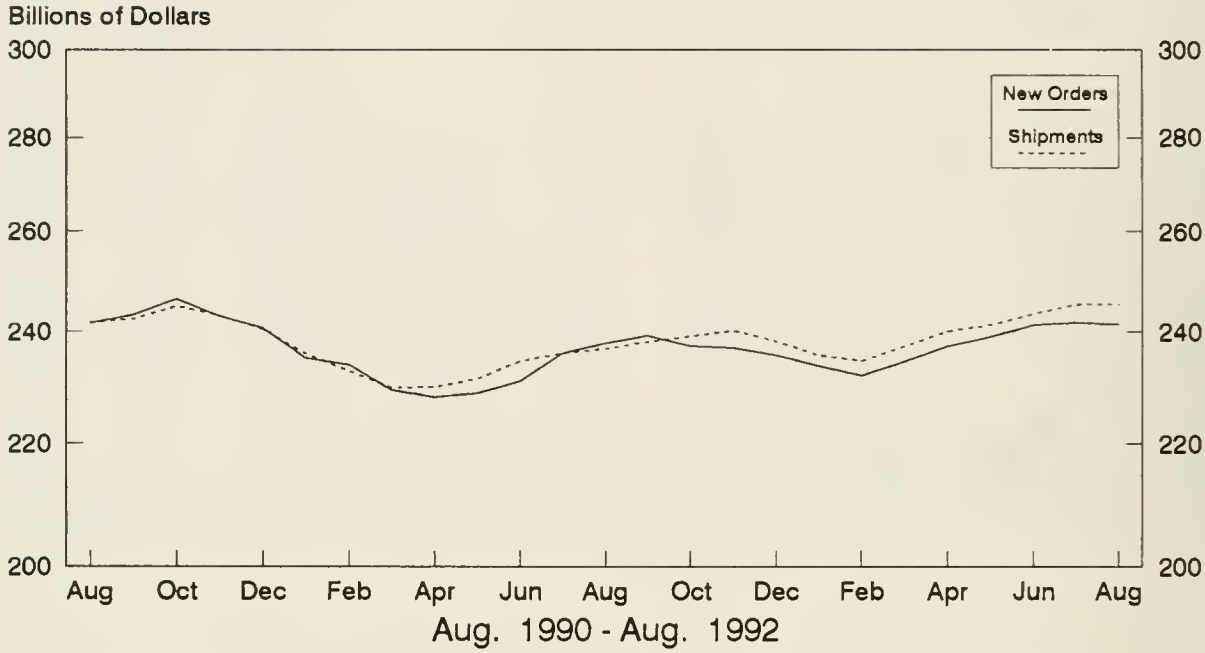
Note : The five year and the twelve month revisions are the differences between the month-to-month percent changes of the preliminary and final estimates. The monthly averages are the simple rages of the absolute values of the differences for the months specified. The advance to final percent change revisions for the durable goods industries are shown in the advance report for the month.

The current month revisions are the difference between the advance precent change and the percent change as shown in this publication.

Average for this month for the last five years.

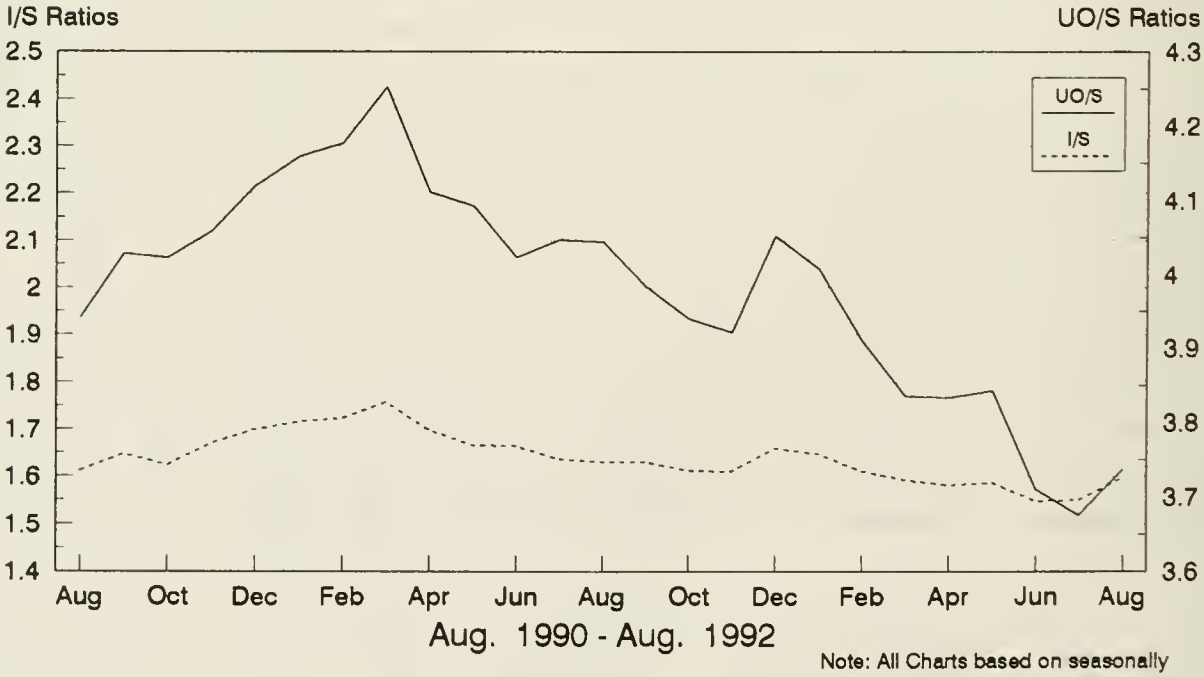
Total Manufacturing

New Orders and Shipments
Three Month Moving Averages



Total Manufacturing

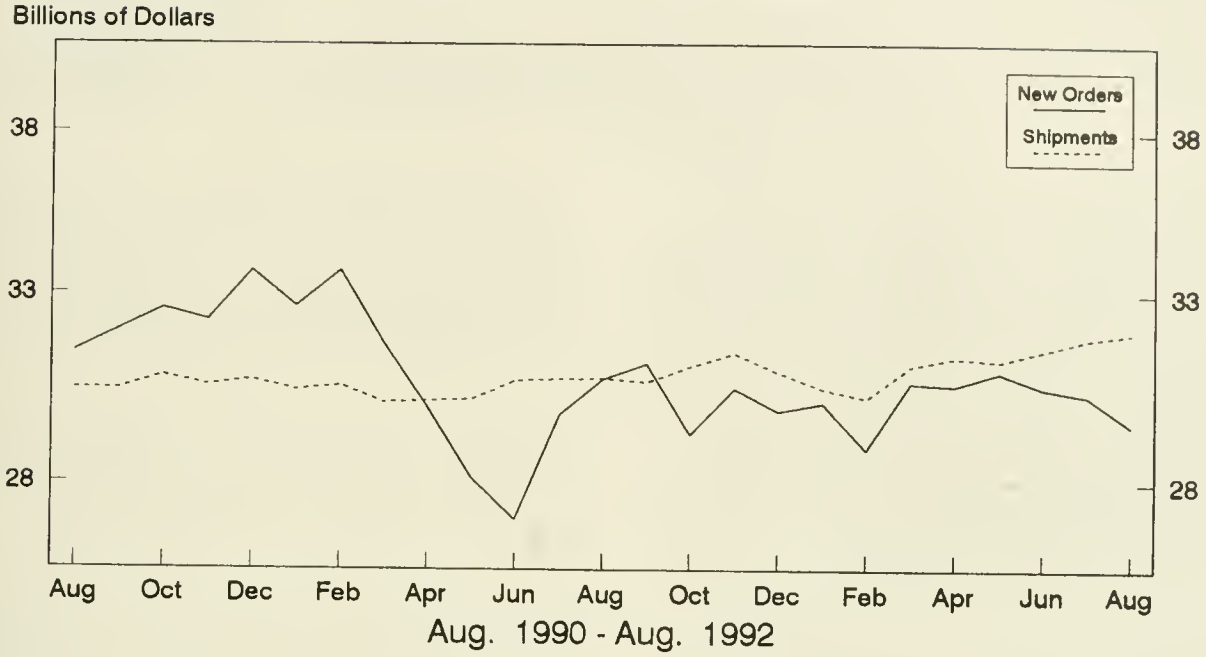
Ratio of Unfilled Orders and
Inventories to Shipments



Note: All Charts based on seasonally adjusted current dollars.

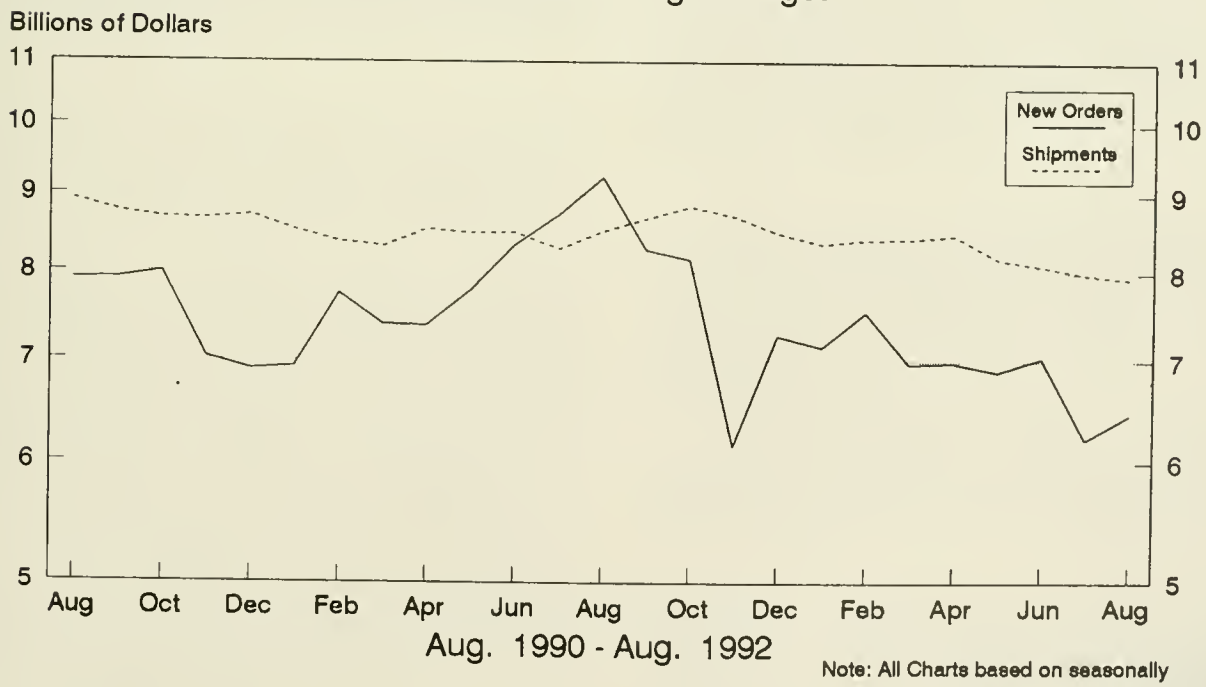
Nondefense Capital Goods

New Orders and Shipments
Three Month Moving Averages



Defense Capital Goods

New Orders and Shipments
Three Month Moving Averages



Note: All Charts based on seasonally adjusted current dollars.

U.S. Department of Commerce
BUREAU OF THE CENSUS
Washington, D.C. 20233

Official Business

Penalty for Private Use, $300

U.S.MAI

POSTAGE AND FEES
U S DEPARTMENT OF COMM

COM

First Class Mail

. 158: M 3-1(92)-9

ent Industrial Reports, Manufac...

FEB 20 1993

Manufacturers' Shipments, Inventories, and Orders

September 1992

M3-1-(92)-9

For Wire Transmissions 10:00 a.m. E.S.T. November 4, 1992

U. S. Department of Commerce
BUREAU OF THE CENSUS

Steve Andrews or Kathy Menth
(301)763-2502 or (301)763-2575

Note: All figures in text are in seasonally adjusted current dollars

Summary

New orders for manufactured goods in September increased $2.6 billion or 1.1 percent to $239.4 billion, the Department of Commerce, Bureau of the Census reported today. This follows decreases of 2.2 percent in August and 0.9 percent in July. Excluding defense, new orders were up $4.1 billion, the first increase in three months. New orders without transportation equipment increased $4.6 billion or 2.2 percent.

Shipments increased $4.3 billion or 1.8 percent to $245.3 billion, following a 2.5 percent decline in August. This is the first increase in three months. Excluding defense, shipments increased $3.9 billion, the seventh increase in the last nine months. Without transportation equipment, shipments were up $4.7 billion or 2.3 percent.

Unfilled orders decreased $5.8 billion or 1.2 percent to $475.9 billion and are at the lowest level since $471.9 billion in December 1988. This is the thirteenth consecutive monthly decline. Excluding defense, unfilled orders decreased $2.7 billion. Without transportation equipment, unfilled orders declined $1.0 billion or 0.4 percent.

Inventories decreased $1.0 billion or 0.3 percent to $384.6 billion, following increases of 0.5 percent in August and 0.2 percent in July. Without defense, inventories increased $0.2 billion, the fifth consecutive monthly increase. The inventories-to-shipments ratio decreased from 1.60 in August to 1.57 in September.

New Orders

New orders for durable goods in September decreased $0.2 billion or 0.1 percent to $119.2 billion. The September decline follows decreases of 0.4 percent in August and 2.7 percent in July.

Transportation equipment had the largest decrease, down $2.1 billion or 7.3 percent to $26.3 billion, primarily due to aircraft and parts and motor vehicles and parts. Primary metals declined $1.2 billion or 10.4 percent to $10.0 billion, the largest decrease since 10.7 percent in March 1989. Electronic and other electrical equipment had the largest increase, up $1.0 billion or 5.8 percent to $18.4 billion, primarily due to electronic components and communications equipment. Fabricated metal products and industrial machinery and equipment also had large increases.

New orders for nondurable goods increased $2.7 billion or 2.3 percent to $120.2 billion, following a 4.0 percent decline in August. This is the seventh increase in the last eight months. The largest increases were in tobacco products, food and kindred products, printing and publishing, and chemical and allied products.

Shipments

Shipments of durable goods in September increased $1.3 billion or 1.1 percent to $124.7 billion, following a 1.1 percent decline in August. The largest increase was in electronic and other electrical equipment, up $0.8 billion or 4.4 percent to $18.0 billion, primarily due to communications equipment and electronic components. Transportation equipment had the largest decline, down $0.5 billion or 1.5 percent to $31.2 billion, due to motor vehicles and parts.

Shipments of nondurable goods were up $2.9 billion or 2.5 percent to $120.6 billion, following a 3.9 percent decrease in August. This is the seventh increase in the last eight months. The largest increase was in tobacco products, up $1.5 billion. Food and kindred products was up $0.9 billion. Petroleum and coal products declined $0.3 billion.

Unfilled Orders

Unfilled orders for durable goods in September decreased $5.5 billion or 1.2 percent to $453.3 billion, the lowest level since $450.0 billion in December 1988. This is the thirteenth consecutive monthly decline. Transportation equipment had the largest decline, down $4.9 billion or 1.9 percent to $249.1 billion, primarily due to aircraft and parts. Transportation equipment has declined in twelve of the last thirteen months. Primary metals decreased $0.9 billion or 4.2 percent to $20.4 billion. The largest increases occurred in fabricated metal products up $0.4 billion or 1.8 percent to $22.9 billion and electronic and other electrical equipment, up $0.3 billion or 0.7 percent to $42.3 billion. Unfilled orders for nondurable goods declined $0.3 billion or 1.5 percent to $22.7 billion.

Inventories

Inventories for durable goods in September decreased $1.3 billion or 0.5 percent to $240.7 billion, the eleventh decline in the last twelve months. Transportation equipment had the largest decrease, down $0.8 billion or 1.1 percent to $69.5 billion, as declines in aircraft and parts and shipbuilding and tanks more than offset an increase in motor vehicles and parts.

Nondurable goods, up $0.3 billion or 0.2 percent to $143.8 billion, have increased for eight consecutive months. Chemicals and allied products had the largest increase, up $0.3 billion. The largest decrease was in tobacco products, down $0.2 billion.

By stage of fabrication, finished goods decreased 0.5 percent in durables and increased 0.1 percent in nondurables. Work in process was down 1.0 percent in durables and up 0.7 percent in nondurables. Materials and supplies increased 0.2 percent in durables and 0.1 percent in nondurables.

he advance report on durable goods for October is scheduled for November 24, 1992 at 8:30 a.m. and the full report on December 3, 1992 at 10:00 a.m. For le by the Superintendent of Documents, U.S. Government Printing Office, Washington, DC 20402. This report is also available the day of issue through the epartment of Commerce's online Economic Bulletin Board (N-8-1) (202-482-3870) and through the Census Bureau's online information service-CENDATA. ENDATA is available from Dialog Information Services, Inc. (1-800-334-2464) and CompuServe (1-800-848-8199). The CENDATA staff at the Bureau of e Census (301-763-2074) can provide content information and general guidance.

Table 1. VALUE OF MANUFACTURERS' SHIPMENTS FOR INDUSTRY GROUPS
(Millions of dollars)

Industry	Seasonally adjusted						Not seasonally adjusted[1]						
	Monthly			Percent Change			Monthly				Percent change	Year to date	
	Sept. 1992[p]	Aug. 1992[r]	July 1992	Aug.-Sept.	July-Aug.	June-July	Sept. 1992[p]	Aug. 1992[r]	July 1992	Sept. 1991	Sept. 92/91	1992[p]	1991
All manufacturing industries	245,282	241,014	247,216	+1.8	-2.5	0.0	262,590	242,572	226,244	254,174	+3.3	2,175,340	2,102,671
Manufacturing Industries													
with unfilled orders	130,833	128,741	132,218	+1.6	-2.6	-0.1	141,071	128,169	118,701	138,071	+2.2	1,160,207	1,128,834
without defense capital goods	237,190	233,271	239,140	+1.7	-2.5	0.0	253,839	235,078	219,148	244,813	+3.7	2,104,437	2,028,888
Durable goods industries	124,699	123,364	124,789	+1.1	-1.1	-0.8	133,896	122,149	109,301	130,137	+2.9	1,107,296	1,056,599
With unfilled orders	102,255	100,631	102,828	+1.6	-2.1	-0.7	110,845	99,264	91,126	107,999	+2.6	905,483	875,614
Stone, clay, and glass products	5,555	5,428	5,518	+2.3	-1.6	+3.7	6,072	5,832	5,371	5,292	+14.7	47,233	43,073
Primary metals	10,872	10,921	11,166	-0.4	-2.2	-1.1	11,335	11,132	10,401	11,429	-0.8	100,207	98,220
Blast furnaces, steel mills	4,637	4,628	4,640	+0.2	-0.3	-1.9	4,762	4,660	4,301	4,829	-1.4	42,554	41,344
Iron and steel foundries	975	980	953	-0.5	+2.8	-6.0	1,039	1,021	817	981	+5.9	8,949	8,319
Nonferrous and other primary metals	5,260	5,313	5,573	-1.0	-4.7	+0.5	5,534	5,451	5,283	5,619	-1.5	48,704	48,557
Fabricated metal products	13,472	13,400	13,395	+0.5	0.0	-0.1	14,233	13,488	12,192	13,937	+2.1	119,384	116,946
Industrial machinery and equipment	21,042	20,924	21,050	+0.6	-0.6	-2.6	23,179	19,503	18,219	22,032	+5.2	186,124	181,392
Engines and turbines	1,678	1,469	1,498	+14.2	-1.9	-11.2	1,930	1,334	1,135	1,825	+5.8	13,451	13,312
Farm and garden machinery	922	972	1,055	-5.1	-7.9	-2.0	877	775	806	1,047	-16.2	10,216	10,674
Construction, mining and material handling equipment	2,497	2,399	2,292	+4.1	+4.7	-5.9	2,470	2,306	2,191	2,702	-8.6	20,642	23,150
Metalworking machinery	2,406	2,246	2,105	+7.1	+6.7	-4.8	2,574	2,139	1,832	2,166	+18.8	19,213	17,445
Computer and office equipment	5,803	5,949	6,147	-2.5	-3.2	+0.4	7,469	5,264	4,638	6,387	+16.9	51,293	44,994
Electronic and other electrical equipment	18,047	17,293	18,143	+4.4	-4.7	+4.9	19,845	17,158	16,162	18,551	+7.0	154,653	147,08[illegible]
Electrical transmission and distribution equipment and industrial apparatus	2,385	2,338	2,436	+2.0	-4.0	+4.6	2,683	2,261	2,158	2,563	+4.7	21,113	20,67[illegible]
Household appliances	1,626	1,581	1,577	+2.8	+0.3	+2.7	1,685	1,577	1,517	1,598	+5.4	14,045	13,73[illegible]
Electric lighting and wiring equipment	1,723	1,661	1,688	+3.7	-1.6	-4.5	1,883	1,669	1,451	1,798	+4.7	15,134	14,45[illegible]
Household audio and video equipment	959	1,066	1,149	-10.0	-7.2	+33.6	1,252	1,132	925	1,284	-2.5	8,658	7,40[illegible]
Communications equipment	4,152	3,749	4,281	+10.7	-12.4	+13.6	4,583	3,615	3,677	3,928	+16.7	33,500	29,99[illegible]
Electronic components	5,599	5,323	5,427	+5.2	-1.9	+2.2	5,907	5,324	5,074	5,424	+8.9	48,114	46,32[illegible]
Transportation equipment	31,210	31,673	31,574	-1.5	+0.3	-3.8	32,978	30,917	24,811	34,372	-4.1	285,942	266,60[illegible]
Motor vehicles and parts	18,886	19,494	19,035	-3.1	+2.4	-2.5	19,572	19,317	13,562	19,588	-0.1	172,512	151,47[illegible]
Aircraft, missiles, space vehicles, and parts	9,834	9,806	10,142	+0.3	-3.3	-8.1	10,812	9,201	9,030	12,340	-12.4	92,472	94,7[illegible]
Shipbuilding and tanks	1,105	1,089	1,103	+1.5	-1.3	+6.6	1,145	1,085	1,039	1,160	-1.3	9,552	9,96[illegible]
Instruments and related products	10,479	10,118	10,161	+3.6	-0.4	-3.0	11,212	9,786	9,236	10,981	+2.1	91,454	91,57[illegible]
Search and navigation equipment	2,704	2,627	2,672	+2.9	-1.7	-4.5	2,931	2,559	2,286	3,037	-3.5	23,886	25,76[illegible]
Measuring and controlling devices	2,717	2,642	2,625	+2.8	+0.6	-0.8	2,880	2,605	2,408	2,735	+5.3	23,800	22,93[illegible]
Medical instruments and supplies	2,970	2,822	2,837	+5.2	-0.5	-4.5	3,139	2,742	2,692	2,984	+5.2	25,912	24,90[illegible]
Photographic goods	1,719	1,661	1,670	+3.5	-0.5	-1.9	1,875	1,522	1,507	1,851	+1.3	14,709	15,02[illegible]
All other durable goods	14,022	13,607	13,782	+3.0	-1.3	+1.4	15,042	14,333	12,909	13,543	+11.1	122,299	111,70[illegible]
Nondurable goods industries	120,583	117,650	122,427	+2.5	-3.9	+0.8	128,694	120,423	116,943	124,037	+3.8	1,068,044	1,046,07[illegible]
With unfilled orders	28,578	28,110	29,390	+1.7	-4.4	+2.3	30,226	28,905	27,575	30,072	+0.5	254,724	253,22[illegible]
Food and kindred products	33,540	32,662	32,666	+2.7	0.0	+0.9	35,504	32,745	31,393	34,117	+4.1	293,433	288,88[illegible]
Meat products	7,659	7,440	7,415	+2.9	+0.3	-0.1	7,942	7,627	7,260	7,671	+3.5	66,611	67,5[illegible]
Dairy products	4,416	4,396	4,345	+0.5	+1.2	-0.6	4,513	4,486	4,348	4,266	+5.8	38,945	36,8[illegible]
Beverages	4,726	4,629	4,593	+2.1	+0.8	-0.8	4,802	4,913	4,901	4,563	+5.2	42,580	40,7[illegible]
All other foods, except fats and oils	14,934	14,524	14,641	+2.8	-0.8	+2.7	16,442	14,046	13,212	15,889	+3.5	129,869	129,1[illegible]
Tobacco products	3,568	2,045	3,304	+74.5	-38.1	-6.2	4,064	1,994	2,351	3,197	+27.1	24,034	22,9[illegible]
Textile mill products	6,149	6,084	6,198	+1.1	-1.8	+0.4	6,772	6,447	5,374	6,491	+4.3	54,426	49,7[illegible]
Broadwoven fabrics and other textiles	3,862	3,820	3,881	+1.1	-1.6	-1.2	4,275	4,053	3,293	4,135	+3.4	34,544	31,5[illegible]
Paper and allied products	10,476	10,502	10,668	-0.2	-1.6	+1.6	10,749	10,711	10,438	10,720	+0.3	94,440	93,6[illegible]
Pulp, paper, and paperboard mill products	4,420	4,427	4,532	-0.2	-2.3	-0.1	4,477	4,467	4,452	4,491	-0.3	40,095	40,4[illegible]
Paperboard containers and boxes	2,548	2,525	2,570	+0.9	-1.8	+0.1	2,589	2,609	2,467	2,452	+5.6	22,646	21,5[illegible]
Miscellaneous converted paper products	3,508	3,550	3,566	-1.2	-0.4	+4.9	3,683	3,635	3,519	3,777	-2.5	31,699	31,7[illegible]
Chemicals and allied products	24,897	24,637	25,458	+1.1	-3.2	+0.6	26,072	24,672	24,088	25,158	+3.6	224,549	219,2[illegible]
Industrial chemicals	12,976	13,106	13,422	-1.0	-2.4	+1.6	13,236	13,108	12,900	12,847	+3.0	116,376	115,8[illegible]
Drugs, soaps, and toiletries	9,329	8,897	9,293	+4.9	-4.3	+1.1	10,505	9,078	8,648	9,701	+8.3	81,378	75,9[illegible]
Petroleum and coal products	12,814	13,111	14,205	-2.3	-7.7	-1.3	14,175	13,926	14,283	13,873	+2.2	117,270	120,3[illegible]
Rubber and plastics products	8,758	8,791	8,989	-0.4	-2.2	+1.1	9,143	8,959	8,653	9,318	-1.9	81,168	78,0[illegible]
All other nondurable goods	20,381	19,818	20,939	+2.8	-5.4	+3.5	22,215	20,969	20,363	21,163	+5.0	178,724	173,0[illegible]

[p] Preliminary. [r] Revised.

[1] Shipments and new orders are the totals for the period and are adjusted for trading-day and calendar-month variations.

Table 2. VALUE OF MANUFACTURERS' NEW ORDERS FOR INDUSTRY GROUPS
(Millions of dollars)

Industry	Seasonally adjusted						Not seasonally adjusted[1]						
	Monthly			Percent Change			Monthly				Percent change	Year to date	
	Sept. 1992[p]	Aug. 1992[r]	July 1992	Aug.-Sept.	July-Aug.	June-July	Sept. 1992[p]	Aug. 1992[r]	July 1992	Sept. 1991	Sept. 92/91	1992[p]	1991
All manufacturing industries	239,444	236,880	242,307	+1.1	-2.2	-0.9	256,458	236,506	222,388	249,046	+3.0	2,148,124	2,095,536
Manufacturing industries													
with unfilled orders	124,995	124,607	127,309	+0.3	-2.1	-1.7	134,939	122,103	114,845	132,943	+1.5	1,132,991	1,121,699
without defense capital goods	234,524	230,418	236,677	+1.8	-2.6	-0.3	249,948	231,649	217,912	242,117	+3.2	2,093,525	2,028,467
Durable goods industries	119,204	119,376	119,861	-0.1	-0.4	-2.7	128,137	116,081	105,043	124,711	+2.7	1,079,392	1,047,057
With unfilled orders	96,760	96,643	97,900	+0.1	-1.3	-3.0	105,086	93,196	86,868	102,573	+2.4	877,579	866,072
Stone, clay, and glass products	5,492	5,321	5,644	+3.2	-5.7	+4.0	5,902	5,818	5,633	5,334	+10.6	48,006	44,472
Primary metals	9,986	11,147	11,288	-10.4	-1.2	-1.9	10,170	10,829	10,570	11,041	-7.9	98,808	96,487
Blast furnaces, steel mills	4,392	4,594	4,635	-4.4	-0.9	-4.5	4,442	4,514	4,459	4,653	-4.5	41,764	40,987
Iron and steel foundries	897	982	913	-8.7	+7.6	-10.7	902	1,072	764	884	+2.0	8,772	8,046
Nonferrous and other primary metals	4,697	5,571	5,740	-15.7	-2.9	+1.9	4,826	5,243	5,347	5,504	-12.3	48,272	47,454
Fabricated metal products	13,869	13,142	12,906	+5.5	+1.8	-2.3	14,601	13,190	11,916	13,641	+7.0	118,159	116,511
Industrial machinery and equipment	21,162	20,547	20,678	+3.0	-0.6	-2.6	23,267	19,212	17,796	22,378	+4.0	184,308	179,565
Engines and turbines	1,930	1,581	1,513	+22.1	+4.5	-20.3	2,218	1,587	1,287	2,744	-19.2	13,959	14,869
Construction, mining and material handling equipment	2,525	2,413	2,245	+4.6	+7.5	-4.8	2,550	2,254	2,140	2,672	-4.6	20,503	21,826
Metalworking machinery	2,316	1,920	2,157	+20.6	-11.0	+4.6	2,484	1,813	1,884	2,277	+9.1	18,890	17,356
Computer and office equipment	5,780	6,027	5,777	-4.1	+4.3	-2.5	7,426	5,410	4,347	6,103	+21.7	50,201	45,386
Electronic and other electrical equipment	18,351	17,343	18,157	+5.8	-4.5	+3.9	19,736	17,098	16,258	17,727	+11.3	155,023	146,048
Electrical transmission and distribution equipment and industrial apparatus	2,164	2,313	2,279	-6.4	+1.5	+0.3	2,433	2,251	2,036	2,374	+2.5	20,602	20,624
Electric lighting and wiring equipment	1,641	1,685	1,649	-2.6	+2.2	-1.8	1,801	1,693	1,412	1,784	+1.0	14,911	14,824
Communications equipment	4,291	3,709	4,336	+15.7	-14.5	+13.3	4,728	3,517	3,810	3,777	+25.2	33,635	28,101
Electronic components	5,927	5,475	5,639	+8.3	-2.9	+1.0	5,925	5,341	5,125	5,150	+15.0	48,831	46,349
Transportation equipment	26,340	28,399	27,610	-7.3	+2.9	-12.0	28,961	26,703	20,540	30,544	-5.2	264,591	262,701
Aircraft, missiles, space vehicles, and parts	6,249	7,367	7,089	-15.2	+3.9	-28.5	8,125	5,835	5,464	8,886	-8.6	74,646	91,279
Shipbuilding and tanks	311	510	288	-39.0	+77.1	-29.1	319	517	296	-144	-321.5	5,652	9,314
Instruments and related products	10,137	10,042	9,759	+0.9	+2.9	+6.8	10,909	9,347	9,034	10,618	+2.7	87,066	88,767
Search and navigation equipment	2,750	2,111	2,212	+30.3	-4.6	+21.9	3,004	1,672	2,087	2,777	+8.2	20,332	23,417
Measuring and controlling devices	2,520	2,547	2,648	-1.1	-3.8	+0.8	2,683	2,510	2,431	2,579	+4.0	23,200	22,785
Medical instruments and supplies	2,821	3,316	2,883	-14.9	+15.0	+7.8	2,990	3,236	2,738	3,038	-1.6	25,710	24,538
All other durable goods	13,867	13,435	13,819	+3.2	-2.8	+0.3	14,591	13,884	13,296	13,428	+8.7	123,431	112,506
Nondurable goods industries	120,240	117,504	122,446	+2.3	-4.0	+0.9	128,321	120,425	117,345	124,335	+3.2	1,068,732	1,048,479
With unfilled orders	28,235	27,964	29,409	+1.0	-4.9	+2.5	29,853	28,907	27,977	30,370	-1.7	255,412	255,627

[p] Preliminary. [r] Revised.

[1] Shipments and new orders are the totals for the period and are adjusted for trading-day and calendar-month variations.

(n) When new orders for a prior month are negative because of cancellations, the percentage change calculation is algebraically negative, even though there is a net dollar increase from the prior month to the current month.

Table 3. VALUE OF MANUFACTURERS' UNFILLED ORDERS FOR INDUSTRY GROUPS
(Millions of dollars)

Industry	Seasonally adjusted						Not seasonally adjusted				
	Monthly			Percent Change			Monthly				Percent change
	Sept. 1992[p]	Aug. 1992[r]	July 1992	Aug.-Sept.	July-Aug.	June-July	Sept. 1992[p]	Aug. 1992[r]	July 1992	Sept. 1991	Sept. 92/91
All manufacturing industries	475,911	481,749	485,883	-1.2	-0.9	-1.0	475,049	481,181	487,247	511,536	-7.1
Manufacturing industries without defense capital goods	347,428	350,094	352,947	-0.8	-0.8	-0.7	347,722	351,613	355,042	366,413	-5.1
Durable goods industries	453,260	458,755	462,743	-1.2	-0.9	-1.1	451,820	457,579	463,647	488,010	-7.4
Stone, clay, and glass products	6,866	6,929	7,036	-0.9	-1.5	+1.8	7,025	7,195	7,209	6,564	+7.0
Primary metals	20,405	21,291	21,065	-4.2	+1.1	+0.6	19,946	21,111	21,414	21,950	-9.1
Blast furnaces, steel mills	7,843	8,088	8,122	-3.0	-0.4	-0.1	7,757	8,077	8,223	9,353	-17.1
Iron and steel foundries	2,742	2,820	2,818	-2.8	+0.1	-1.4	2,723	2,860	2,809	2,925	-6.9
Nonferrous and other primary metals	9,820	10,383	10,125	-5.4	+2.5	+1.7	9,466	10,174	10,382	9,672	-2.1
Fabricated metal products	22,941	22,544	22,802	+1.8	-1.1	-2.1	23,023	22,655	22,953	24,942	-7.7
Industrial machinery and equipment	51,290	51,170	51,547	+0.2	-0.7	-0.7	51,255	51,167	51,458	55,091	-7.0
Engines and turbines	10,988	10,736	10,624	+2.3	+1.1	+0.1	11,052	10,764	10,511	10,737	+2.9
Construction, mining and material handling equipment	6,081	6,053	6,039	+0.5	+0.2	-0.8	6,026	5,946	5,998	6,182	-2.5
Metalworking machinery	7,594	7,684	8,010	-1.2	-4.1	+0.7	7,594	7,684	8,010	7,702	-1.4
Computer and office equipment	7,948	7,971	7,893	-0.3	+1.0	-4.5	8,123	8,166	8,020	10,866	-25.2
Electronic and other electrical equipment	42,311	42,007	41,957	+0.7	+0.1	0.0	41,995	42,104	42,164	41,897	+0.2
Electrical transmission and distribution equipment and industrial apparatus	5,787	6,008	6,033	-3.7	-0.4	-2.5	5,766	6,016	6,026	6,418	-10.2
Electric lighting and wiring equipment	2,756	2,838	2,814	-2.9	+0.9	-1.4	2,756	2,838	2,814	2,958	-6.8
Communications equipment	14,530	14,391	14,431	+1.0	-0.3	+0.4	14,520	14,375	14,473	14,469	+0.4
Electronic components	14,813	14,485	14,333	+2.3	+1.1	+1.5	14,487	14,469	14,452	13,488	+7.4
Transportation equipment	249,075	253,945	257,219	-1.9	-1.3	-1.5	248,242	252,259	256,473	271,437	-8.5
Aircraft, missiles, space vehicles, and parts.	218,083	221,668	224,107	-1.6	-1.1	-1.3	217,188	219,875	223,241	235,000	-7.6
Shipbuilding and tanks	23,454	24,248	24,827	-3.3	-2.3	-3.2	23,580	24,406	24,974	28,706	-17.9
Instruments and related products	52,771	53,113	53,189	-0.6	-0.1	-0.8	52,552	52,855	53,294	58,645	-10.4
Search and navigation equipment	35,651	35,605	36,121	+0.1	-1.4	-1.3	35,400	35,327	36,214	40,325	-12.2
Measuring and controlling devices	8,216	8,413	8,508	-2.3	-1.1	+0.3	8,216	8,413	8,508	8,737	-6.0
Medical instruments and supplies	7,992	8,141	7,647	-1.8	+6.5	+0.6	7,992	8,141	7,647	8,554	-6.6
All other durable goods	7,601	7,756	7,928	-2.0	-2.2	+0.5	7,782	8,233	8,682	7,484	+4.0
Nondurable goods industries	22,651	22,994	23,140	-1.5	-0.6	+0.1	23,229	23,602	23,600	23,526	-1.3

[p] Preliminary. [r] Revised.

Table 4. VALUE OF MANUFACTURERS' INVENTORIES FOR INDUSTRY GROUPS
(Millions of dollars)

Industry	Seasonally adjusted						Not seasonally adjusted				
	Monthly			Percent Change			Monthly				Percent change
	Sept. 1992[p]	Aug. 1992[r]	July 1992	Aug.-Sept.	July-Aug.	June-July	Sept. 1992[p]	Aug. 1992[r]	July 1992	Sept. 1991	Sept. 92/91
All manufacturing industries	384,583	385,596	383,491	-0.3	+0.5	+0.2	383,011	386,989	383,467	387,889	-1.3
Manufacturing industries with unfilled orders	256,486	257,644	256,541	-0.4	+0.4	-0.1	255,466	259,787	258,055	265,470	-3.8
Manufacturing industries without defense capital goods	352,898	352,691	349,809	+0.1	+0.8	+0.3	351,117	353,454	349,331	349,534	+0.5
Durable goods industries	240,741	242,036	241,258	-0.5	+0.3	-0.3	239,649	243,425	241,616	250,126	-4.2
With unfilled orders	222,356	223,683	222,930	-0.6	+0.3	-0.2	221,549	225,392	223,851	232,061	-4.5
Stone, clay, and glass products	7,993	8,023	7,941	-0.4	+1.0	-0.2	7,762	7,945	7,966	7,741	+0.3
Primary metals	19,896	19,974	19,833	-0.4	+0.7	0.0	19,987	20,023	19,838	20,816	-4.0
Blast furnaces, steel mills	9,719	9,823	9,828	-1.1	-0.1	+0.1	9,777	9,844	9,809	10,334	-5.4
Iron and steel foundries	1,434	1,428	1,414	+0.4	+1.0	-0.4	1,415	1,412	1,388	1,408	+0.5
Nonferrous and other primary metals	8,743	8,723	8,591	+0.2	+1.5	-0.1	8,795	8,767	8,641	9,074	-3.1
Fabricated metal products	23,194	23,310	23,258	-0.5	+0.2	+1.2	22,919	23,215	23,224	22,736	+0.8
Industrial machinery and equipment	44,997	45,161	44,906	-0.4	+0.6	+0.1	44,889	45,452	44,894	47,560	-5.6
Engines and turbines	3,489	3,582	3,489	-2.6	+2.7	+3.2	3,537	3,732	3,563	3,542	-0.1
Farm and garden machinery	2,350	2,311	2,319	+1.7	-0.3	+0.3	2,298	2,228	2,219	2,369	-3.0
Construction, mining and material handling equipment	5,951	5,929	5,970	+0.4	-0.7	-0.6	5,903	5,893	5,920	6,710	-12.0
Metalworking machinery	5,670	5,659	5,677	+0.2	-0.3	+1.5	5,693	5,738	5,698	5,714	-0.4
Computer and office equipment	9,409	9,582	9,387	-1.8	+2.1	-0.5	9,503	9,851	9,490	10,280	-7.6
Electronic and other electrical equipment	31,022	31,097	30,895	-0.2	+0.7	-0.4	30,789	31,391	31,140	31,197	-1.3
Electrical transmission and distribution equipment and industrial apparatus	4,246	4,331	4,311	-2.0	+0.5	+1.0	4,201	4,341	4,301	4,354	-3.5
Household appliances	2,681	2,715	2,719	-1.3	-0.1	-1.5	2,563	2,636	2,705	2,651	-3.3
Electric lighting and wiring equipment	3,001	3,000	2,990	0.0	+0.3	+1.0	2,986	3,017	3,044	3,015	-1.0
Household audio and video equipment	1,229	1,230	1,236	-0.1	-0.5	-2.1	1,273	1,299	1,286	1,156	+10.1
Communications equipment	7,303	7,414	7,314	-1.5	+1.4	-1.2	7,225	7,527	7,348	7,113	+1.6
Electronic components	8,970	8,916	8,841	+0.6	+0.8	0.0	9,006	9,047	8,951	9,378	-4.0
Transportation equipment	69,525	70,330	70,146	-1.1	+0.3	-1.0	69,313	70,989	70,143	75,812	-8.6
Motor vehicles and parts	12,658	12,483	12,230	+1.4	+2.1	-0.4	12,657	12,536	11,725	12,745	-0.7
Aircraft, missiles, space vehicles, and parts	52,773	53,416	53,536	-1.2	-0.2	-1.2	52,552	53,917	53,963	58,772	-10.6
Shipbuilding and tanks	1,763	2,057	2,025	-14.3	+1.6	-2.0	1,794	2,159	2,102	2,012	-10.8
Instruments and related products	23,905	23,867	23,920	+0.2	-0.2	0.0	23,853	24,139	24,126	24,795	-3.8
Search and navigation equipment	7,326	7,381	7,485	-0.7	-1.4	-0.5	7,319	7,554	7,636	8,502	-13.9
Measuring and controlling devices	6,697	6,667	6,685	+0.4	-0.3	-0.1	6,704	6,714	6,703	6,832	-1.9
Medical instruments and supplies	6,326	6,285	6,232	+0.7	+0.9	+1.2	6,250	6,274	6,226	5,952	+5.0
Photographic goods	2,913	2,888	2,871	+0.9	+0.6	-0.7	2,951	2,947	2,905	2,870	+2.8
All other durable goods	20,209	20,274	20,359	-0.3	-0.4	-0.5	20,137	20,271	20,285	19,469	+3.4
Nondurable goods industries	143,842	143,560	142,233	+0.2	+0.9	+0.9	143,362	143,564	141,851	137,763	+4.1
With unfilled orders	34,130	33,961	33,611	+0.5	+1.0	+0.5	33,917	34,395	34,204	33,409	+1.5
Food and kindred products	30,603	30,713	30,558	-0.4	+0.5	+0.1	31,198	30,855	29,663	30,258	+3.1
Meat products	2,793	2,811	2,786	-0.6	+0.9	+0.6	2,751	2,755	2,772	2,800	-1.8
Dairy products	2,874	2,908	2,876	-1.2	+1.1	-1.2	2,860	3,004	2,974	2,472	+15.7
Beverages	5,729	5,722	5,670	+0.1	+0.9	+1.0	5,712	5,573	5,578	5,335	+7.1
All other foods, except fats and oils	17,591	17,580	17,545	+0.1	+0.2	0.0	18,453	18,050	16,827	18,175	+1.5
Tobacco products	6,698	6,913	6,751	-3.1	+2.4	+4.5	6,517	6,675	6,307	6,269	+4.0
Textile mill products	9,099	9,093	9,032	+0.1	+0.7	+1.0	9,009	9,199	9,213	8,580	+5.0
Broadwoven fabrics and other textiles	5,310	5,300	5,268	+0.2	+0.6	+2.8	5,193	5,312	5,344	5,018	+3.5
Paper and allied products	13,758	13,744	13,631	+0.1	+0.8	+0.6	13,444	13,590	13,632	12,994	+3.5
Pulp, paper, and paperboard mill products	5,796	5,796	5,725	0.0	+1.2	-0.7	5,645	5,714	5,687	5,214	+8.3
Paperboard containers and boxes	3,245	3,275	3,293	-0.9	-0.5	+0.5	3,219	3,244	3,309	3,182	+1.2
Miscellaneous converted paper products	4,717	4,673	4,613	+0.9	+1.3	+2.1	4,580	4,632	4,636	4,598	-0.4
Chemicals and allied products	34,994	34,733	34,221	+0.8	+1.5	+1.0	34,400	34,503	34,245	33,045	+4.1
Industrial chemicals	17,719	17,533	17,335	+1.1	+1.1	+0.2	17,453	17,358	17,373	16,941	+3.0
Drugs, soaps, and toiletries	12,692	12,658	12,417	+0.3	+1.9	+1.7	12,552	12,837	12,610	11,727	+7.0
Petroleum and coal products	11,911	11,985	12,071	-0.6	-0.7	+2.1	12,036	11,880	12,025	12,127	-0.8
Rubber and plastics products	11,320	11,195	11,112	+1.1	+0.7	+0.3	11,169	11,012	11,019	10,990	+1.6
All other nondurable goods	25,459	25,184	24,857	+1.1	+1.3	+0.7	25,589	25,850	25,747	23,500	+8.9

[p] Preliminary. [r] Revised.

Table 5. VALUE OF MANUFACTURERS' SHIPMENTS AND NEW ORDERS FOR TOPICAL SERIES[1]
(Millions of dollars)

Industry	Seasonally adjusted						Not seasonally adjusted [2]						
	Monthly			Percent Change			Monthly				Percent change	Year to date	
	Sept. 1992[p]	Aug. 1992[r]	July 1992	Aug.-Sept.	July-Aug.	June-July	Sept. 1992[p]	Aug. 1992[r]	July 1992	Sept. 1991	Sept. 92/91	1992[p]	1991
SHIPMENTS													
All manufacturing industries	245,282	241,014	247,216	+1.8	-2.5	0.0	262,590	242,572	226,244	254,174	+3.3	2,175,340	2,102,671
Market categories :													
Automotive equipment	9,581	9,900	9,569	-3.2	+3.5	-1.5	9,970	9,793	7,053	9,866	+1.1	86,543	76,27(
Home goods and apparel	17,095	16,799	17,112	+1.8	-1.8	+3.8	19,245	18,080	16,212	17,409	+10.5	148,046	133,19
Consumer staples	56,490	54,006	56,533	+4.6	-4.5	+0.6	60,902	54,625	53,475	57,909	+5.2	490,584	483,48
Machinery and equipment	40,171	39,548	39,905	+1.6	-0.9	-2.4	43,422	37,615	34,488	42,073	+3.2	353,438	338,60
Business supplies	18,690	18,490	19,659	+1.1	-5.9	+1.8	19,682	18,601	18,401	19,842	-0.8	168,656	171,96
Construction materials and supplies	15,720	15,311	15,434	+2.7	-0.8	+0.1	17,026	16,268	15,089	15,455	+10.2	138,177	126,53
Defense products	8,394	7,988	8,268	+5.1	-3.4	+0.5	9,080	7,801	7,395	9,428	-3.7	73,037	74,52
Other materials, supplies and and intermediate products	79,141	78,972	80,736	+0.2	-2.2	-0.3	83,263	79,789	74,131	82,192	+1.3	716,859	698,09
Durable goods industries :													
Nondefense capital goods [3]	31,848	31,173	31,847	+2.2	-2.1	-3.0	35,311	29,348	27,980	34,043	+3.7	280,020	270,93
Excluding aircraft and parts	26,377	25,588	26,227	+3.1	-2.4	+0.2	29,293	24,242	22,933	27,217	+7.6	226,544	217,21
Defense capital goods [4]	8,092	7,743	8,076	+4.5	-4.1	+0.2	8,751	7,494	7,096	9,361	-6.5	70,903	73,78
Durables excluding capital goods	84,759	84,448	84,866	+0.4	-0.5	-0.1	89,834	85,307	74,225	86,733	+3.6	756,373	711,88
Miscellaneous series :													
Producers' durable equipment	77,968	77,290	78,024	+0.9	-0.9	-1.7	83,865	75,063	65,772	81,275	+3.2	691,368	653,16
Household durable goods	7,281	7,194	7,353	+1.2	-2.2	+5.6	8,274	7,378	6,284	7,820	+5.8	63,002	58,70
Information technology industries	14,548	14,140	14,854	+2.9	-4.8	+3.0	16,985	13,186	12,361	15,198	+11.8	124,952	115,55
Health care equipment and products	8,033	7,655	7,886	+4.9	-2.9	-0.9	8,830	7,675	7,390	8,251	+7.0	70,118	66,19
NEW ORDERS													
All manufacturing industries	239,444	236,880	242,307	+1.1	-2.2	-0.9	256,458	236,506	222,388	249,046	+3.0	2,148,124	2,095,53
Market categories :													
Automotive equipment	9,560	9,874	9,544	-3.2	+3.5	-1.6	9,936	9,769	7,070	10,070	-1.3	86,512	76,55
Home goods and apparel	16,968	16,900	17,192	+0.4	-1.7	+2.2	18,958	18,034	16,552	17,546	+8.0	149,680	135,34
Consumer staples	56,497	53,997	56,580	+4.6	-4.6	+0.7	60,908	54,646	53,566	57,902	+5.2	490,641	483,53
Machinery and equipment	38,531	36,984	37,781	+4.2	-2.1	-3.6	41,727	34,962	32,447	40,330	+3.5	343,790	332,21
Business supplies	18,644	18,440	19,675	+1.1	-6.3	+1.5	19,621	18,595	18,530	19,883	-1.3	168,753	172,09
Construction materials and supplies	15,810	15,283	15,379	+3.4	-0.6	-0.1	17,075	16,176	15,138	15,413	+10.8	138,380	127,52
Defense products	5,301	6,929	5,914	-23.5	+17.2	-23.0	6,976	5,454	4,849	7,162	-2.6	57,521	67,86
Other materials, supplies and and intermediate products	78,133	78,473	80,242	-0.4	-2.2	+0.1	81,257	78,870	74,236	80,740	+0.6	712,847	700,42
Durable goods industries :													
Nondefense capital goods [3]	30,362	28,153	29,296	+7.8	-3.9	-5.4	33,814	26,464	25,528	31,664	+6.8	269,121	267,02
Excluding aircraft and parts	26,313	24,779	25,559	+6.2	-3.1	-1.3	29,218	23,569	22,364	27,273	+7.1	224,841	212,82
Defense capital goods [4]	4,920	6,462	5,630	-23.9	+14.8	-21.4	6,510	4,857	4,476	6,929	-6.0	54,599	67,06
Durables excluding capital goods	83,922	84,761	84,935	-1.0	-0.2	-0.1	87,813	84,760	75,039	86,118	+2.0	755,672	712,96
Miscellaneous series :													
Producers' durable equipment	76,104	74,639	75,274	+2.0	-0.8	-3.6	81,586	72,277	63,979	80,021	+2.0	680,934	644,83
Household durable goods	7,293	7,161	7,388	+1.8	-3.1	+6.3	8,037	7,269	6,497	7,666	+4.8	63,914	59,93
Information technology industries	14,765	13,994	14,527	+5.5	-3.7	+3.9	17,169	13,092	12,117	14,660	+17.1	123,466	114,24
Health care equipment and products	7,883	8,148	7,932	-3.3	+2.7	+3.5	8,680	8,167	7,437	8,305	+4.5	69,915	65,82

[p] Preliminary. [r] Revised.

[1] Topical series are regroupings of the separate industry categories.

[2] Shipments and new orders are the totals for the period and are adjusted for trading-day and calendar-month variations.

[3] Nondefense capital goods industries include : ordnance and accessories; steam, gas and hydraulic turbines; internal combustion engines; construction, mining, and material handling equipment; metalworking machinery; special industry machinery; general industrial machinery; computer and office equipment; refrigeration, heating and service industry machinery; electrical transmission and distribution equipment; electrical industrial apparatus; communications equipment; aircraft, missiles, space vehicles, and engines and parts; ships and tank components; railroad equipment; and search and navigation equipment.

[4] Defense capital goods industries include : ordnance and accessories; communications equipment; aircraft, missiles, space vehicles, and engines and parts; ships, tanks and tank components; and search and navigation equipment.

Table 6. VALUE OF MANUFACTURERS' UNFILLED ORDERS AND TOTAL INVENTORIES FOR TOPICAL SERIES[1]
(Millions of dollars)

Industry	Seasonally adjusted						Not seasonally adjusted				
	Monthly			Percent Change			Monthly				Percent change
	Sept. 1992[p]	Aug. 1992[r]	July 1992	Aug.-Sept.	July-Aug.	June-July	Sept. 1992[p]	Aug. 1992[r]	July 1992	Sept. 1991	Sept. 92/91
UNFILLED ORDERS											
All manufacturing industries	475,911	481,749	485,883	-1.2	-0.9	-1.0	475,049	481,181	487,247	511,536	-7.1
larket categories :											
Automotive equipment	1,653	1,674	1,700	-1.3	-1.5	-1.4	1,643	1,677	1,701	1,787	-8.1
Home goods and apparel	9,664	9,790	9,689	-1.3	+1.0	+0.8	10,073	10,359	10,406	9,856	+2.2
Consumer staples	1,297	1,290	1,299	+0.5	-0.7	+3.7	1,341	1,336	1,315	1,344	-0.2
Machinery and equipment	204,172	205,811	208,375	-0.8	-1.2	-1.0	204,214	205,909	208,562	216,765	-5.8
Business supplies	5,708	5,754	5,804	-0.8	-0.9	+0.3	5,854	5,915	5,921	6,037	-3.0
Construction materials and supplies	13,997	13,907	13,935	+0.6	-0.2	-0.4	14,081	14,032	14,124	14,246	-1.2
Defense products	121,658	124,752	125,811	-2.5	-0.8	-1.8	120,506	122,610	124,958	136,544	-11.7
Other materials, supplies and and intermediate products	117,762	118,771	119,270	-0.8	-0.4	-0.4	117,337	119,343	120,260	124,957	-6.1
urable goods industries :											
Nondefense capital goods [3]	223,635	225,121	228,141	-0.7	-1.3	-1.1	223,702	225,199	228,083	238,060	-6.0
Excluding aircraft and parts	72,893	72,957	73,766	-0.1	-1.1	-0.9	72,960	73,035	73,708	77,291	-5.6
Defense capital goods [4]	128,483	131,655	132,936	-2.4	-1.0	-1.8	127,327	129,568	132,205	145,123	-12.3
Durables excluding capital goods	101,142	101,979	101,666	-0.8	+0.3	+0.1	100,791	102,812	103,359	104,827	-3.9
iscellaneous series :											
Producers' durable equipment	225,956	227,820	230,471	-0.8	-1.2	-1.2	226,329	228,608	231,394	241,655	-6.3
Household durable goods	5,207	5,195	5,228	+0.2	-0.6	+0.7	5,402	5,639	5,748	5,470	-1.2
Information technology industries	31,986	31,769	31,915	+0.7	-0.5	-1.0	32,155	31,971	32,065	35,354	-9.0
Health care equipment and products	8,020	8,170	7,676	-1.8	+6.4	+0.6	8,020	8,170	7,677	8,582	-6.5
TOTAL INVENTORIES											
ll manufacturing industries	384,583	385,596	383,491	-0.3	+0.5	+0.2	383,011	386,989	383,467	387,889	-1.3
arket categories :											
Automotive equipment	6,482	6,431	6,318	+0.8	+1.8	-0.3	6,421	6,410	6,120	6,461	-0.6
Home goods and apparel	29,159	29,143	29,014	+0.1	+0.4	+0.5	28,951	29,430	29,685	26,091	+11.0
Consumer staples	59,424	59,612	59,073	-0.3	+0.9	+1.3	59,814	59,817	58,146	57,992	+3.1
Machinery and equipment	88,204	88,196	87,218	0.0	+1.1	-0.1	87,510	88,614	87,259	90,192	-3.0
Business supplies	22,215	22,115	21,792	+0.5	+1.5	+0.4	22,289	22,359	21,994	22,299	0.0
Construction materials and supplies	22,964	22,998	23,062	-0.1	-0.3	0.0	22,666	22,908	23,073	22,380	+1.3
Defense products	29,797	30,770	31,309	-3.2	-1.7	-1.5	29,918	31,331	31,726	35,725	-16.3
Other materials, supplies and and intermediate products	126,338	126,331	125,705	0.0	+0.5	+0.2	125,442	126,120	125,464	126,749	-1.0
rable goods industries :											
Nondefense capital goods [3]	82,871	83,091	82,130	-0.3	+1.2	-0.2	82,289	83,724	82,471	86,017	-4.3
Excluding aircraft and parts	53,819	54,490	54,208	-1.2	+0.5	0.0	53,617	55,114	54,467	56,371	-4.9
Defense capital goods [4]	31,685	32,905	33,682	-3.7	-2.3	-1.4	31,894	33,535	34,136	38,355	-16.8
Durables excluding capital goods	126,185	126,040	125,446	+0.1	+0.5	0.0	125,466	126,166	125,009	125,754	-0.2
scellaneous series :											
Producers' durable equipment	143,115	143,111	141,772	0.0	+0.9	0.0	142,047	143,669	141,530	144,214	-1.5
Household durable goods	12,961	13,061	13,046	-0.8	+0.1	0.0	12,850	13,176	13,215	12,430	+3.4
nformation technology industries	27,785	27,990	27,749	-0.7	+0.9	-0.7	27,788	28,508	27,998	28,610	-2.9
Health care equipment and products	13,219	13,159	12,979	+0.5	+1.4	+1.4	13,068	13,241	13,075	12,331	+6.0

ee footnotes at end of table 5.

Table 7. VALUE OF MANUFACTURERS' INVENTORIES, BY STAGE OF FABRICATION, BY INDUSTRY GROUP
(Millions of dollars)

Industry	Seasonally adjusted						Not seasonally adjusted				
	Monthly			Percent Change			Monthly				Percent change
	Sept. 1992[P]	Aug. 1992[r]	July 1992	Aug.-Sept.	July-Aug.	June-July	Sept. 1992[P]	Aug. 1992[r]	July 1992	Sept. 1991	Sept. 92/91
MATERIALS AND SUPPLIES											
All manufacturing industries	120,253	120,086	119,762	+0.1	+0.3	-0.1	119,646	119,879	119,216	119,699	0.0
Durable goods industries	67,416	67,304	66,800	+0.2	+0.8	-0.7	67,522	67,678	66,601	68,846	-1.9
Stone, clay, and glass products	2,470	2,467	2,421	+0.1	+1.9	+0.4	2,445	2,473	2,439	2,456	-0.4
Primary metals	6,150	6,151	6,164	0.0	-0.2	-0.9	6,297	6,210	6,141	6,604	-4.6
Fabricated metal products	8,136	8,190	8,171	-0.7	+0.2	+0.5	8,135	8,255	8,185	8,152	-0.2
Industrial machinery and equipment	13,666	13,484	13,136	+1.3	+2.6	-0.3	13,716	13,541	13,126	13,698	+0.1
Electronic and other electrical equipment	9,095	9,123	9,024	-0.3	+1.1	-2.3	9,055	9,189	9,092	9,448	-4.2
Transportation equipment	12,999	13,108	13,056	-0.8	+0.4	-1.6	12,892	13,203	12,856	14,114	-8.7
Instruments and related products	7,169	7,089	7,011	+1.1	+1.1	0.0	7,161	7,142	7,052	6,741	+6.2
Lumber, furniture and miscellaneous durable goods	7,731	7,692	7,817	+0.5	-1.6	-0.5	7,821	7,665	7,710	7,633	+2.5
Nondurable goods industries	52,837	52,782	52,962	+0.1	-0.3	+0.8	52,124	52,201	52,615	50,853	+2.5
Food and kindred products	10,105	10,150	10,172	-0.4	-0.2	-0.3	9,702	9,826	9,937	9,444	+2.7
Tobacco products	5,408	5,300	5,348	+2.0	-0.9	+2.0	5,271	4,999	4,977	4,803	+9.7
Textile mill products	2,778	2,781	2,816	-0.1	-1.2	+2.4	2,709	2,787	2,896	2,456	+10.3
Paper and allied products	6,838	6,888	6,884	-0.7	+0.1	+0.8	6,784	6,816	6,847	6,679	+1.6
Chemicals and allied products	11,789	11,761	11,776	+0.2	-0.1	+0.3	11,721	11,807	11,865	11,504	+1.9
Petroleum and coal products	3,053	3,149	3,223	-3.0	-2.3	+8.3	3,025	3,123	3,197	3,196	-5.4
Rubber and plastics products	4,406	4,366	4,381	+0.9	-0.3	+0.2	4,427	4,290	4,339	4,302	+2.9
Apparel, printing and publishing and leather goods	8,460	8,387	8,362	+0.9	+0.3	-0.6	8,485	8,553	8,557	8,469	+0.1
WORK IN PROCESS											
All manufacturing industries	133,765	134,698	134,287	-0.7	+0.3	-0.7	134,218	135,987	135,120	142,775	-6.0
Durable goods industries	110,657	111,741	111,644	-1.0	+0.1	-0.8	110,980	112,921	112,331	120,343	-7.7
Stone, clay, and glass products	1,125	1,134	1,135	-0.8	-0.1	+1.5	1,092	1,123	1,140	1,101	-0.8
Primary metals	7,361	7,476	7,490	-1.5	-0.2	-1.3	7,396	7,570	7,566	8,012	-7.7
Fabricated metal products	7,467	7,506	7,541	-0.5	-0.5	+2.1	7,452	7,491	7,494	7,602	-2.0
Industrial machinery and equipment	18,299	18,374	18,208	-0.4	+0.9	-1.1	18,550	18,432	18,176	20,001	-7.7
Electronic and other electrical equipment	13,256	13,222	12,944	+0.3	+2.1	+0.5	13,265	13,396	13,107	13,204	+0.4
Transportation equipment	47,960	48,742	48,873	-1.6	-0.3	-1.5	48,046	49,338	49,245	53,556	-10.3
Instruments and related products	11,031	11,110	11,265	-0.7	-1.4	-0.4	11,039	11,338	11,397	12,691	-13.0
Lumber, furniture and miscellaneous durable goods	4,158	4,177	4,188	-0.5	-0.3	-1.0	4,140	4,233	4,206	4,176	-0.9
Nondurable goods industries	23,108	22,957	22,643	+0.7	+1.4	0.0	23,238	23,066	22,789	22,432	+3.6
Food and kindred products	3,622	3,556	3,457	+1.9	+2.9	+1.0	3,626	3,339	3,308	3,599	+0.8
Tobacco products	66	53	58	+24.5	-8.6	-4.9	80	45	44	94	-14.9
Textile mill products	2,456	2,470	2,431	-0.6	+1.6	-0.9	2,485	2,510	2,463	2,523	-1.5
Paper and allied products	1,108	1,107	1,113	+0.1	-0.5	+2.0	1,081	1,119	1,152	1,175	-8.0
Chemicals and allied products	5,559	5,494	5,372	+1.2	+2.3	-1.5	5,560	5,570	5,418	5,232	+6.3
Petroleum and coal products	3,171	3,073	3,055	+3.2	+0.6	-1.3	3,195	3,069	3,076	3,160	+1.1
Rubber and plastics products	1,448	1,472	1,484	-1.6	-0.8	-0.4	1,459	1,480	1,468	1,587	-8.1
Apparel, printing and publishing and leather goods	5,678	5,732	5,673	-0.9	+1.0	+1.7	5,752	5,934	5,860	5,062	+13.6
FINISHED GOODS											
All manufacturing industries	130,565	130,812	129,442	-0.2	+1.1	+1.3	129,147	131,123	129,131	125,415	+3.0
Durable goods industries	62,668	62,991	62,814	-0.5	+0.3	+1.2	61,147	62,826	62,684	60,937	+0.3
Stone, clay, and glass products	4,398	4,422	4,385	-0.5	+0.8	-0.9	4,225	4,349	4,387	4,184	+1.0
Primary metals	6,385	6,347	6,179	+0.6	+2.7	+2.5	6,294	6,243	6,131	6,200	+1.5
Fabricated metal products	7,591	7,614	7,546	-0.3	+0.9	+1.2	7,332	7,469	7,545	6,982	+5.0
Industrial machinery and equipment	13,032	13,303	13,562	-2.0	-1.9	+2.2	12,623	13,479	13,592	13,861	-8.9
Electronic and other electrical equipment	8,671	8,752	8,927	-0.9	-2.0	+0.5	8,469	8,806	8,941	8,545	-0.9
Transportation equipment	8,566	8,480	8,217	+1.0	+3.2	+2.8	8,375	8,448	8,042	8,142	+2.9
Instruments and related products	5,705	5,668	5,644	+0.7	+0.4	+0.7	5,653	5,659	5,677	5,363	+5.4
Lumber, furniture and miscellaneous durable goods	8,320	8,405	8,354	-1.0	+0.6	-0.3	8,176	8,373	8,369	7,660	+6.7
Nondurable goods industries	67,897	67,821	66,628	+0.1	+1.8	+1.3	68,000	68,297	66,447	64,478	+5.4
Food and kindred products	16,876	17,007	16,929	-0.8	+0.5	+0.1	17,870	17,690	16,418	17,215	+3.8
Tobacco products	1,224	1,560	1,345	-21.5	+16.0	+16.5	1,166	1,631	1,286	1,372	-15.0
Textile mill products	3,865	3,842	3,785	+0.6	+1.5	+1.3	3,815	3,902	3,854	3,601	+5.9
Paper and allied products	5,812	5,749	5,634	+1.1	+2.0	0.0	5,579	5,655	5,633	5,140	+8.5
Chemicals and allied products	17,646	17,478	17,073	+1.0	+2.4	+2.3	17,119	17,126	16,962	16,309	+5.0
Petroleum and coal products	5,687	5,763	5,793	-1.3	-0.5	+0.7	5,816	5,688	5,752	5,771	+0.8
Rubber and plastics products	5,466	5,357	5,247	+2.0	+2.1	+0.6	5,283	5,242	5,212	5,101	+3.6
Apparel, printing and publishing and leather goods	11,321	11,065	10,822	+2.3	+2.2	+1.2	11,352	11,363	11,330	9,969	+13.9

[P] Prelimary. [r] Revised.

Table 8. RATIOS OF MANUFACTURES' INVENTORIES TO SHIPMENTS AND UNFILLED ORDERS TO SHIPMENTS, BY INDUSTRY GROUP
(Based on seasonally adjusted data)

Industry	Inventory / Shipments ratio				Unfilled Orders / Shipments ratio[1]			
	Sept. 1992[p]	Aug. 1992[r]	July 1992	June 1992	Sept. 1992[p]	Aug. 1992[r]	July 1992	June 1992
All manufacturing industries	1.57	1.60	1.55	1.55	3.64	3.74	3.67	3.71
urable goods industries	1.93	1.96	1.93	1.92	4.43	4.56	4.50	4.52
Stone, clay, and glass products	1.44	1.48	1.44	1.50	1.33	1.38	1.38	1.41
Primary metals	1.83	1.83	1.78	1.76	1.88	1.95	1.89	1.85
Fabricated metal products	1.72	1.74	1.74	1.71	1.88	1.85	1.86	1.91
ndustrial machinery and equipment	2.14	2.16	2.13	2.07	2.55	2.56	2.58	2.53
Electronic and other electrical equipment	1.72	1.80	1.70	1.79	2.34	2.43	2.31	2.43
Transportation equipment	2.23	2.22	2.22	2.16	13.71	14.06	13.74	13.21
nstruments and related products	2.28	2.36	2.35	2.28	5.04	5.25	5.23	5.12
ondurable goods industries	1.19	1.22	1.16	1.16	0.79	0.82	0.79	0.80
Food and kindred products	0.91	0.94	0.94	0.94	(X)	(X)	(X)	(X)
Tobacco products	1.88	3.38	2.04	1.83	(X)	(X)	(X)	(X)
Textile mill products	1.48	1.49	1.46	1.45	(NA)	(NA)	(NA)	(NA)
Paper and allied products	1.31	1.31	1.28	1.29	(NA)	(NA)	(NA)	(NA)
Chemicals and allied products	1.41	1.41	1.34	1.34	(X)	(X)	(X)	(X)
etroleum and coal products	0.93	0.91	0.85	0.82	(X)	(X)	(X)	(X)
Rubber and plastics products	1.29	1.27	1.24	1.25	(X)	(X)	(X)	(X)

[p] Preliminary. [r] Revised. (X) Not applicable. (NA) Not available.

[1] Excludes the following industries with no unfilled orders : Wood and lumber products; glass containers; metal cans, barrels and drums; farm and garden machinery; motor vehicle assembly erations; other transportation equipment; foods and related products; tobacco; knitting mill products; apparel and related products; chemicals; petroleum and coal products; and rubber and plastics oducts.

Table 9. REVISIONS TO PREVIOUSLY PUBLISHED MONTHLY PERCENT CHANGES
(Based on seasonally adjusted data)

Industry	Shipments			New orders			Unfilled orders			Inventories		
	Sept.[1] 1992	Sept.[2] 1987-1991	Sept. 1991-Aug. 1992	Sept.[1] 1992	Sept.[2] 1987-1991	Sept. 1991-Aug. 1992	Sept.[1] 1992	Sept.[2] 1987-1991	Sept. 1991-Aug. 1992	Sept.[1] 1992	Sept.[2] 1987-1991	Sept. 1991-Aug. 1992
ll manufacturing industries	(X)	0.2	0.1	(X)	0.2	0.3	(X)	0.0	0.1	(X)	0.0	0.1
Durable goods industries	-0.3	0.2	0.2	0.3	0.3	0.5	0.1	0.1	0.1	(X)	0.0	0.1
one, clay, and glass products	(X)	0.4	0.7	(X)	0.6	1.4	(X)	0.3	0.6	(X)	0.3	0.3
imary metals	0.0	0.5	0.2	-0.2	0.4	0.7	-0.1	0.2	0.3	(X)	0.1	0.1
bricated metal products	(X)	0.3	0.3	(X)	0.8	0.7	(X)	0.2	0.3	(X)	0.2	0.2
dustrial machinery and equipment	0.4	0.5	0.3	0.7	0.9	0.4	0.1	0.2	0.1	(X)	0.1	0.1
ectronic and other lectrical equipment	0.3	0.2	0.3	0.2	0.3	0.5	-0.1	0.0	0.1	(X)	0.0	0.1
ansportation equipment	-1.4	0.2	0.5	1.1	0.4	1.5	0.3	0.0	0.1	(X)	0.0	0.2
struments and related products	(X)	0.3	0.7	(X)	0.3	0.5	(X)	0.1	0.1	(X)	0.3	0.1
N durable goods industries	(X)	0.2	0.1	(X)	0.2	0.1	(X)	0.4	0.5	(X)	0.1	0.2
od and kindred products	(X)	0.4	0.4	(X)	(X)	(X)	(X)	(X)	(X)	(X)	0.3	0.4
bacco products	(X)	0.2	2.4	(X)	(X)	(X)	(X)	(X)	(X)	(X)	0.0	0.1
xtile mill products	(X)	0.9	0.5	(X)	(NA)	(NA)	(X)	(NA)	(NA)	(X)	0.3	0.4
per and allied products	(X)	0.2	0.2	(X)	(NA)	(NA)	(X)	(NA)	(NA)	(X)	0.2	0.4
emicals and allied products	(X)	0.2	0.2	(X)	(X)	(X)	(X)	(X)	(X)	(X)	0.1	0.2
troleum and coal products	(X)	0.3	0.2	(X)	(X)	(X)	(X)	(X)	(X)	(X)	0.2	0.2
bber and plastics products	(X)	0.7	0.4	(X)	(X)	(X)	(X)	(X)	(X)	(X)	0.1	0.2
C tal goods industries :												
Nndefense	0.3	0.4	0.5	3.7	0.8	1.0	0.4	0.1	0.1	(X)	0.1	0.1
Ifense	-5.2	0.2	1.0	-8.2	0.7	5.5	-0.1	0.0	0.2	(X)	0.2	0.4

) Not applicable. (NA) Not available.

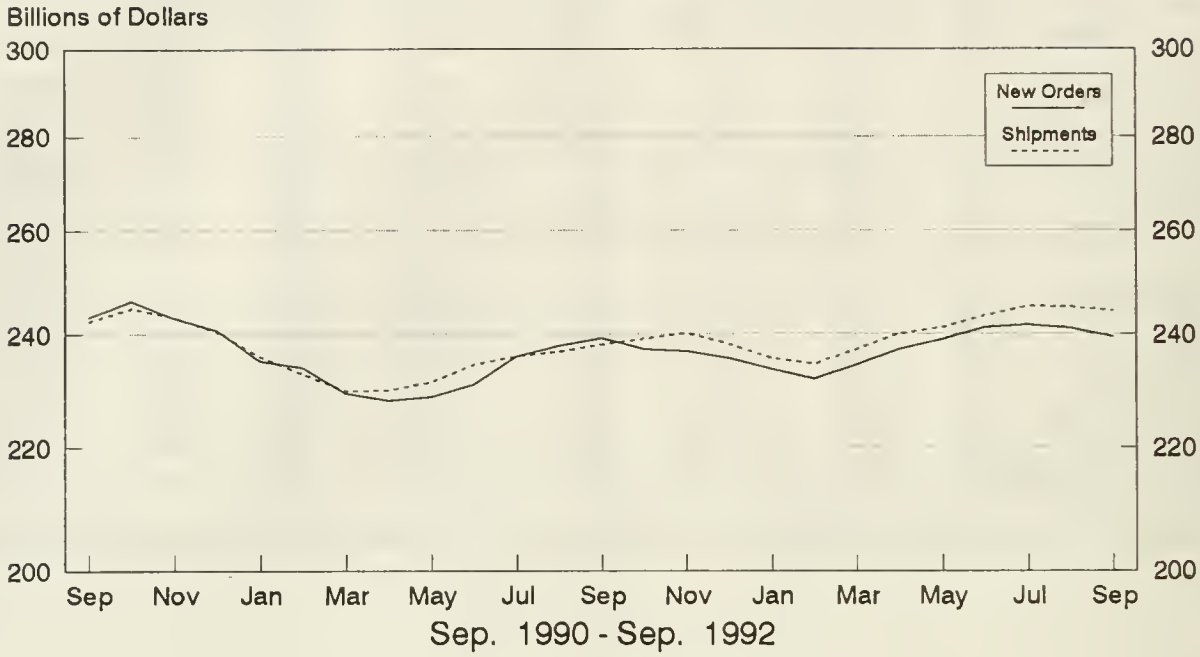
ote : The five year and the twelve month revisions are the differences between the month-to-month percent changes of the preliminary and final estimates. The monthly averages are the simple averages of the absolute values of the differences for the months specified. The advance to final percent change revisions for the durable goods industries are shown in the advance report for the month.

The current month revisions are the difference between the advance precent change and the percent change as shown in this publication.

Average for this month for the last five years.

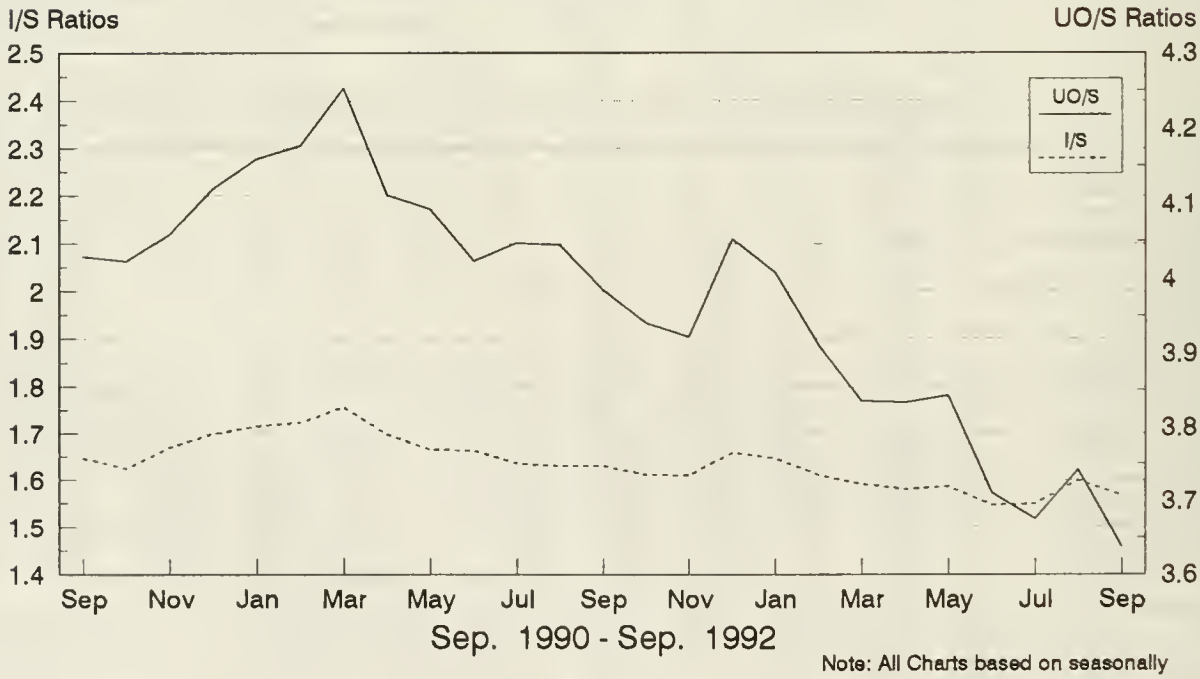
Total Manufacturing

New Orders and Shipments
Three Month Moving Averages



Total Manufacturing

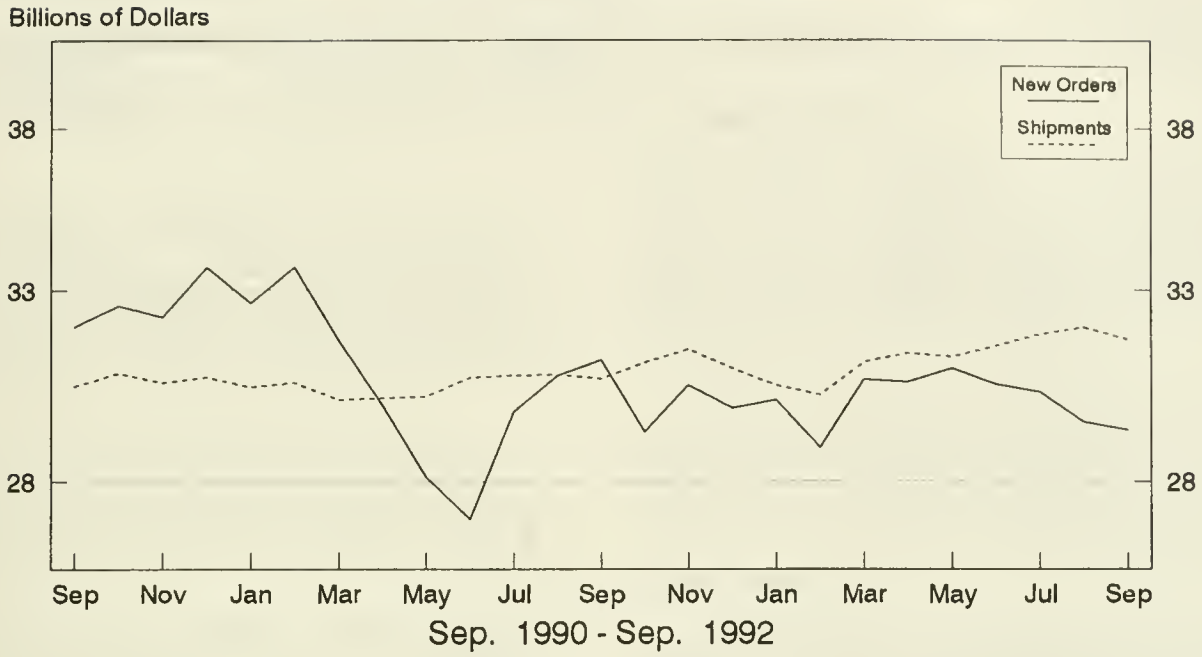
Ratio of Unfilled Orders and
Inventories to Shipments



Note: All Charts based on seasonally adjusted current dollars.

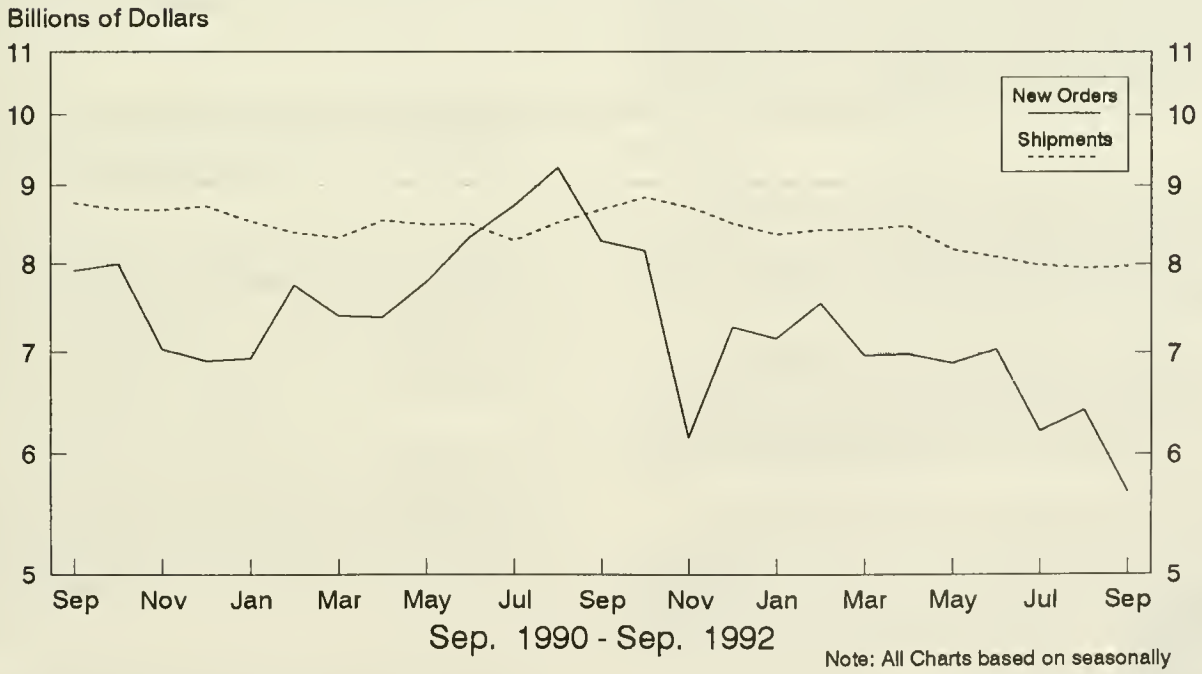
Nondefense Capital Goods

New Orders and Shipments
Three Month Moving Averages



Defense Capital Goods

New Orders and Shipments
Three Month Moving Averages



Note: All Charts based on seasonally adjusted current dollars.

U.S. Department of Commerce
BUREAU OF THE CENSUS
Washington, D.C. 20233

Official Business
Penalty for Private Use, $300

POSTAGE AND FEES PAID
U.S. DEPARTMENT OF COMMERCE
COM-202

First Class Mail

158: M 3-1(92)-10
SUPERINTENDENT OF DOCUMENTS
APR 7 1993
nt Industrial Reports, Manufac...
BOSTON PUBLIC LIBRARY

Manufacturers' Shipments, Inventories, and Orders

October 1992

M3-1-(92)-10
For Wire Transmissions 10:00 a.m. E.S.T. December 3, 1992

U. S. Department of Commerce
BUREAU OF THE CENSUS
Steve Andrews or Kathy Menth
(301)763-2502 or (301)763-2575

Note: All figures in text are in seasonally adjusted current dollars

Summary

New orders for manufactured goods in October increased $4.1 billion or 1.7 percent to $244.0 billion, the Department of Commerce, Bureau of the Census reported today. This follows an increase of 1.3 percent in September and a 2.2 percent decrease in August. Excluding defense, new orders were up $1.9 billion or 0.8 percent, the eighth increase this year. New orders without transportation equipment decreased $1.2 billion or 0.6 percent.

Shipments decreased $1.8 billion or 0.7 percent to $244.0 billion, following a 2.0 percent increase in September and a 2.5 percent decrease in August. Excluding defense, shipments decreased $1.2 billion or 0.5 percent. Without transportation equipment, shipments were down $2.4 billion or 1.1 percent.

Unfilled orders were relatively unchanged at $475.8 billion, the lowest level since December 1988. This follows thirteen consecutive monthly declines. Excluding defense, unfilled orders increased $0.3 billion or 0.1 percent. Without transportation, unfilled orders increased $0.1 billion.

Inventories decreased $0.6 billion or 0.1 percent to $383.8 billion, following a 0.3 percent decrease in September. Without defense, inventories decreased $0.5 billion, following five monthly increases. The inventories-to-shipments ratio increased from 1.56 in September to 1.57 in October.

New Orders

New orders for durable goods in October increased $4.9 billion or 4.1 percent to $124.7 billion. This increase, the largest since a 12.1 percent rise in July 1991, follows a 1.4 percent increase in September.

Transportation equipment had the largest increase, up $5.3 billion or 19.7 percent to $32.1 billion, primarily due to aircraft and parts and motor vehicles and parts. Primary metals increased $0.4 billion or 4.2 percent to $10.3 billion, with increases in all categories. Industrial machinery and equipment had the largest decrease, down $0.4 billion or 1.9 percent to $20.8 billion, primarily due to metalworking machinery and engines and turbines.

New orders for nondurable goods decreased $0.8 billion or 0.7 percent to $119.3 billion, following a 2.3 percent increase in September. This is the second decrease in the last three months. The largest decreases were in tobacco products, chemicals and allied products, and food and kindred products.

Shipments

Shipments of durable goods in October decreased $0.4 billion or 0.3 percent to $124.9 billion. This follows a 1.6 percent increase in September. All major groups had decreases except transportation equipment, electronic and other electrical equipment, and stone, clay, and glass products. Instruments and related products had the largest decrease, down $0.5 billion or 4.4 percent to $10.1 billion, with decreases in all categories. Transportation equipment had the largest increase, up $0.6 billion or 1.9 percent to $32.2 billion, due to motor vehicles and parts.

Shipments of nondurable goods were down $1.4 billion or 1.2 percent to $119.1 billion, following a 2.4 percent increase in September. This is the second decrease in the last three months. The largest decline was in tobacco products, down $1.1 billion. Chemicals and allied products and food and kindred products both declined $0.4 billion.

Unfilled Orders

Unfilled orders for durable goods in October decreased $0.3 billion to $452.9 billion, the lowest level since $450.0 billion in December 1988. This is the fourteenth consecutive monthly decline. All major groups declined except fabricated metal products and electronic and other electrical equipment. The largest decrease was in primary metals, down $0.4 billion or 2.1 percent to $19.9 billion. Transportation equipment was down $0.1 billion to $249.1 billion, as decreases in shipbuilding and tanks and motor vehicles and parts more than offset increases in railroad equipment and aircraft and parts. Transportation equipment has declined in thirteen of the last fourteen months and is at the lowest level since $245.6 billion in October 1989. Unfilled orders for nondurable goods increased $0.2 billion or 1.1 percent to $22.9 billion.

Inventories

Inventories for durable goods in October decreased $1.1 billion or 0.5 percent to $239.4 billion, the twelfth decline in the last thirteen months. The largest decreases were in electronic and other electrical equipment and instruments and related products, both down $0.3 billion.

Nondurable goods, up $0.6 billion or 0.4 percent to $144.4 billion, have increased for nine consecutive months. Chemicals and allied products had the largest increase, up $0.3 billion. The largest decrease was in petroleum and coal products, down $0.2 billion.

By stage of fabrication, finished goods decreased 0.8 percent in durables and increased 0.7 percent in nondurables. Work in process was up 0.4 percent in durables and down 0.1 percent in nondurables. Materials and supplies decreased 1.5 percent in durables and increased 0.2 percent in nondurables.

(SEE BACK PAGE FOR 1993 RELEASE DATES)

The advance report on durable goods for November is scheduled for December 23, 1992 at 8:30 a.m. and the full report on December 31, 1992 at 10:00 a.m. For sale by the Superintendent of Documents, U.S. Government Printing Office, Washington, DC 20402. This report is also available the day of issue through the Department of Commerce's online Economic Bulletin Board (N-8-1) (202-482-3870) and through the Census Bureau's online information service-CENDATA. CENDATA is available from Dialog Information Services, Inc. (1-800-334-2464) and CompuServe (1-800-848-8199). The CENDATA staff at the Bureau of the Census (301-763-2074) can provide content information and general guidance.

Table 1. VALUE OF MANUFACTURERS' SHIPMENTS FOR INDUSTRY GROUPS
(Millions of dollars)

Industry	Seasonally adjusted						Not seasonally adjusted[1]						
	Monthly			Percent Change			Monthly				Percent change	Year to date	
	Oct. 1992[p]	Sept. 1992[r]	Aug. 1992	Sept.-Oct.	Aug.-Sept.	July-Aug.	Oct. 1992[p]	Sept. 1992[r]	Aug. 1992	Oct. 1991	Oct. 92/91	1992[p]	19
All manufacturing industries	244,023	245,838	241,014	-0.7	+2.0	-2.5	256,175	262,873	242,572	250,716	+2.2	2,431,798	2,353,3
Manufacturing Industries with unfilled orders	130,804	131,260	128,741	-0.3	+2.0	-2.6	136,242	141,210	128,169	134,031	+1.6	1,296,588	1,262,8
without defense capital goods	236,357	237,509	233,271	-0.5	+1.8	-2.5	248,622	254,103	235,078	242,217	+2.6	2,353,323	2,271,1
Durable goods industries	124,923	125,346	123,364	-0.3	+1.6	-1.1	131,489	134,183	122,149	127,915	+2.8	1,239,072	1,184,5
With unfilled orders	101,961	102,758	100,631	-0.8	+2.1	-2.1	105,743	111,051	99,264	103,744	+1.9	1,011,432	979,3
Stone, clay, and glass products	5,569	5,535	5,428	+0.6	+2.0	-1.6	6,108	6,044	5,832	5,220	+17.0	53,313	48,2
Primary metals	10,733	10,878	10,921	-1.3	-0.4	-2.2	11,417	11,333	11,132	11,516	-0.9	111,622	109,7
Blast furnaces, steel mills	4,601	4,656	4,628	-1.2	+0.6	-0.3	4,882	4,765	4,660	4,909	-0.6	47,439	46,2
Iron and steel foundries	993	977	980	+1.6	-0.3	+2.8	1,113	1,039	1,021	1,034	+7.6	10,062	9,2
Nonferrous and other primary metals	5,139	5,245	5,313	-2.0	-1.3	-4.7	5,422	5,529	5,451	5,573	-2.7	54,121	54,
Fabricated metal products	13,299	13,455	13,400	-1.2	+0.4	0.0	14,263	14,241	13,488	14,392	-0.9	133,655	131,
Industrial machinery and equipment	20,834	21,060	20,924	-1.1	+0.6	-0.6	20,826	23,179	19,503	20,151	+3.3	206,950	201,
Engines and turbines	1,556	1,683	1,469	-7.5	+14.6	-1.9	1,463	1,923	1,334	1,421	+3.0	14,907	14,
Farm and garden machinery	1,029	954	972	+7.9	-1.9	-7.9	1,099	902	775	1,111	-1.1	11,340	11,
Construction, mining and material handling equipment	2,444	2,501	2,399	-2.3	+4.3	+4.7	2,520	2,480	2,306	2,471	+2.0	23,172	25,
Metalworking machinery	2,012	2,404	2,246	-16.3	+7.0	+6.7	2,205	2,564	2,139	2,164	+1.9	21,408	19,
Computer and office equipment	5,676	5,770	5,949	-1.6	-3.0	-3.2	5,114	7,477	5,264	4,994	+2.4	56,415	49,
Electronic and other electrical equipment	18,444	18,199	17,293	+1.3	+5.2	-4.7	18,506	20,006	17,158	17,038	+8.6	173,320	164,
Electrical transmission and distribution equipment and industrial apparatus	2,404	2,371	2,338	+1.4	+1.4	-4.0	2,357	2,661	2,261	2,191	+7.6	23,448	22
Household appliances	1,615	1,625	1,581	-0.6	+2.8	+0.3	1,626	1,684	1,577	1,567	+3.8	15,670	15
Electric lighting and wiring equipment	1,685	1,723	1,661	-2.2	+3.7	-1.6	1,736	1,881	1,669	1,697	+2.3	16,868	16
Household audio and video equipment	985	934	1,066	+5.5	-12.4	-7.2	1,227	1,224	1,132	1,250	-1.8	9,857	8
Communications equipment	4,330	4,302	3,749	+0.7	+14.8	-12.4	3,896	4,780	3,615	3,239	+20.3	37,593	33
Electronic components	5,812	5,622	5,323	+3.4	+5.6	-1.9	5,824	5,906	5,324	5,247	+11.0	53,937	51
Transportation equipment	32,190	31,579	31,673	+1.9	-0.3	+0.3	35,283	33,010	30,917	35,419	-0.4	321,257	302
Motor vehicles and parts	19,879	19,005	19,494	+4.6	-2.5	+2.4	23,284	19,562	19,317	22,117	+5.3	195,786	173
Aircraft, missiles, space vehicles, and parts	10,029	10,083	9,806	-0.5	+2.8	-3.3	9,652	10,854	9,201	10,874	-11.2	102,166	105
Shipbuilding and tanks	982	1,108	1,089	-11.4	+1.7	-1.3	980	1,145	1,085	1,248	-21.5	10,532	1
Instruments and related products	10,099	10,565	10,118	-4.4	+4.4	-0.4	10,172	11,276	9,786	10,500	-3.1	101,690	10
Search and navigation equipment	2,570	2,778	2,627	-7.5	+5.7	-1.7	2,562	3,000	2,559	2,958	-13.4	26,517	2
Measuring and controlling devices	2,660	2,714	2,642	-2.0	+2.7	+0.6	2,681	2,876	2,605	2,650	+1.2	26,477	2
Medical instruments and supplies	2,831	2,990	2,822	-5.3	+6.0	-0.5	2,786	3,139	2,742	2,813	-1.0	28,698	2
Photographic goods	1,688	1,718	1,661	-1.7	+3.4	-0.5	1,786	1,875	1,522	1,754	+1.8	16,495	1
All other durable goods	13,755	14,075	13,607	-2.3	+3.4	-1.3	14,914	15,094	14,333	13,679	+9.0	137,265	12
Nondurable goods industries	119,100	120,492	117,650	-1.2	+2.4	-3.9	124,686	128,690	120,423	122,801	+1.5	1,192,726	1,16
With unfilled orders	28,843	28,502	28,110	+1.2	+1.4	-4.4	30,499	30,159	28,905	30,287	+0.7	285,156	28
Food and kindred products	33,140	33,560	32,662	-1.3	+2.7	0.0	34,376	35,532	32,745	33,623	+2.2	327,837	32
Meat products	7,500	7,667	7,440	-2.2	+3.1	+0.3	7,793	7,941	7,627	7,596	+2.6	74,403	7
Dairy products	4,363	4,412	4,396	-1.1	+0.4	+1.2	4,346	4,513	4,486	4,186	+3.8	43,291	4
Beverages	4,658	4,729	4,629	-1.5	+2.2	+0.8	4,537	4,813	4,913	4,426	+2.5	47,128	4
All other foods, except fats and oils	14,812	14,946	14,524	-0.9	+2.9	-0.8	15,893	16,459	14,046	15,707	+1.2	145,779	14
Tobacco products	2,426	3,493	2,045	-30.5	+70.8	-38.1	2,268	4,053	1,994	2,590	-12.4	26,291	2
Textile mill products	5,955	6,143	6,084	-3.1	+1.0	-1.8	6,451	6,792	6,447	6,514	-1.0	60,897	5
Broadwoven fabrics and other textiles	3,694	3,848	3,820	-4.0	+0.7	-1.6	3,934	4,274	4,053	3,996	-1.6	38,477	3
Paper and allied products	10,332	10,456	10,502	-1.2	-0.4	-1.6	10,548	10,758	10,711	10,635	-0.8	104,997	10
Pulp, paper, and paperboard mill products	4,325	4,401	4,427	-1.7	-0.6	-2.3	4,355	4,467	4,467	4,493	-3.1	44,440	4
Paperboard containers and boxes	2,499	2,551	2,525	-2.0	+1.0	-1.8	2,629	2,601	2,609	2,561	+2.7	25,287	2
Miscellaneous converted paper products	3,508	3,504	3,550	+0.1	-1.3	-0.4	3,564	3,690	3,635	3,581	-0.5	35,270	3
Chemicals and allied products	24,422	24,862	24,637	-1.8	+0.9	-3.2	24,328	26,118	24,672	24,156	+0.7	248,923	24
Industrial chemicals	12,907	13,017	13,106	-0.8	-0.7	-2.4	13,126	13,293	13,108	12,811	+2.5	129,559	12
Drugs, soaps, and toiletries	8,888	9,258	8,897	-4.0	+4.1	-4.3	8,861	10,505	9,078	8,801	+0.7	90,239	8
Petroleum and coal products	13,083	12,898	13,111	+1.4	-1.6	-7.7	14,257	14,190	13,926	13,959	+2.1	131,542	13
Rubber and plastics products	8,750	8,763	8,791	-0.1	-0.3	-2.2	9,199	9,146	8,959	9,413	-2.3	90,370	8
All other nondurable goods	20,992	20,317	19,818	+3.3	+2.5	-5.4	23,259	22,101	20,969	21,911	+6.2	201,869	19

[p] Preliminary. [r] Revised.

[1] Shipments and new orders are the totals for the period and are adjusted for trading-day and calendar-month variations.

Table 2. VALUE OF MANUFACTURERS' NEW ORDERS FOR INDUSTRY GROUPS
(Millions of dollars)

Industry	Seasonally adjusted						Not seasonally adjusted[1]						
	Monthly			Percent Change			Monthly				Percent change	Year to date	
	Oct. 1992[p]	Sept. 1992[r]	Aug. 1992	Sept.-Oct.	Aug.-Sept.	July-Aug.	Oct. 1992[p]	Sept. 1992[r]	Aug. 1992	Oct. 1991	Oct. 92/91	1992[p]	1991
All manufacturing industries	244,003	239,951	236,880	+1.7	+1.3	-2.2	254,843	256,610	236,506	246,333	+3.5	2,403,119	2,341,869
anufacturing industries													
ith unfilled orders	130,784	125,373	124,607	+4.3	+0.6	-2.1	134,910	134,947	122,103	129,648	+4.1	1,267,909	1,251,347
ithout defense capital goods	236,697	234,781	230,418	+0.8	+1.9	-2.6	246,936	250,087	231,649	237,662	+3.9	2,340,600	2,266,129
rable goods industries	124,659	119,801	119,376	+4.1	+0.4	-0.4	130,448	128,327	116,081	124,100	+5.1	1,210,030	1,171,157
Vith unfilled orders	101,697	97,213	96,643	+4.6	+0.6	-1.3	104,702	105,195	93,196	99,929	+4.8	982,390	966,001
one, clay, and glass products	5,500	5,424	5,321	+1.4	+1.9	-5.7	5,782	5,858	5,818	5,239	+10.4	53,744	49,711
mary metals	10,301	9,885	11,147	+4.2	-11.3	-1.2	10,556	10,108	10,829	10,760	-1.9	109,302	107,247
Blast furnaces, steel mills	4,418	4,317	4,594	+2.3	-6.0	-0.9	4,517	4,400	4,514	4,669	-3.3	46,239	45,656
ron and steel foundries	1,009	901	982	+12.0	-8.2	+7.6	1,139	902	1,072	1,004	+13.4	9,911	9,050
Nonferrous and other primary metals	4,874	4,667	5,571	+4.4	-16.2	-2.9	4,900	4,806	5,243	5,087	-3.7	53,152	52,541
bricated metal products	13,550	13,860	13,142	-2.2	+5.5	+1.8	14,200	14,601	13,190	13,926	+2.0	132,359	130,437
ustrial machinery and equipment	20,810	21,222	20,547	-1.9	+3.3	-0.6	20,815	23,200	19,212	19,399	+7.3	205,056	198,964
Engines and turbines	1,518	1,932	1,581	-21.4	+22.2	+4.5	1,495	2,219	1,587	1,578	-5.3	15,455	16,447
Construction, mining and material handling equipment	2,602	2,555	2,413	+1.8	+5.9	+7.5	2,700	2,525	2,254	2,293	+17.7	23,178	24,119
Metalworking machinery	1,725	2,310	1,920	-25.3	+20.3	-11.0	1,918	2,470	1,813	1,911	+0.4	20,794	19,267
Computer and office equipment	5,678	5,764	6,027	-1.5	-4.4	+4.3	5,143	7,424	5,410	4,712	+9.1	55,342	50,098
ctronic and other lectrical equipment	18,775	18,488	17,343	+1.6	+6.6	-4.5	18,907	19,873	17,098	16,893	+11.9	174,067	162,941
Electrical transmission and distribution equipment and industrial apparatus	2,474	2,148	2,313	+15.2	-7.1	+1.5	2,417	2,413	2,251	2,248	+7.5	22,999	22,872
Electric lighting and wiring equipment	1,692	1,652	1,685	+2.4	-2.0	+2.2	1,743	1,810	1,693	1,673	+4.2	16,663	16,497
Communications equipment	4,446	4,388	3,709	+1.3	+18.3	-14.5	4,060	4,869	3,517	3,227	+25.8	37,836	31,328
Electronic components	5,799	5,966	5,475	-2.8	+9.0	-2.9	5,812	5,954	5,341	4,956	+17.3	54,672	51,305
nsportation equipment	32,097	26,814	28,399	+19.7	-5.6	+2.9	35,586	29,069	26,703	33,776	+5.4	300,285	296,477
Aircraft, missiles, space vehicles, and parts	10,265	6,569	7,367	+56.3	-10.8	+3.9	10,374	8,213	5,835	9,738	+6.5	85,108	101,017
Shipbuilding and tanks	616	329	510	+87.2	-35.5	+77.1	559	318	517	944	-40.8	6,210	10,258
truments and related products	9,934	10,197	10,042	-2.6	+1.5	+2.9	10,154	10,963	9,347	10,779	-5.8	97,274	99,546
Search and navigation equipment	1,882	2,807	2,111	-33.0	+33.0	-4.6	2,054	3,065	1,672	2,972	-30.9	22,447	26,389
Measuring and controlling devices	2,706	2,515	2,547	+7.6	-1.3	-3.8	2,727	2,677	2,510	2,664	+2.4	25,921	25,449
Medical instruments and supplies	3,350	2,841	3,316	+17.9	-14.3	+15.0	3,305	2,990	3,236	3,105	+6.4	29,015	27,643
other durable goods	13,692	13,911	13,435	-1.6	+3.5	-2.8	14,448	14,655	13,884	13,328	+8.4	137,943	125,834
ndurable goods industries	119,344	120,150	117,504	-0.7	+2.3	-4.0	124,395	128,283	120,425	122,233	+1.8	1,193,089	1,170,712
With unfilled orders	29,087	28,160	27,964	+3.3	+0.7	-4.9	30,208	29,752	28,907	29,719	+1.6	285,519	285,346

Preliminary. [r] Revised.

Shipments and new orders are the totals for the period and are adjusted for trading-day and calendar-month variations.

n) When new orders for a prior month are negative because of cancellations, the percentage change calculation is algebraically negative, even though there is a net dollar increase from the prior month to the current month.

Table 3. VALUE OF MANUFACTURERS' UNFILLED ORDERS FOR INDUSTRY GROUPS
(Millions of dollars)

Industry	Seasonally adjusted						Not seasonally adjusted				
	Monthly			Percent Change			Monthly				Percent change
	Oct. 1992[p]	Sept. 1992[r]	Aug. 1992	Sept.-Oct.	Aug.-Sept.	July-Aug.	Oct. 1992[p]	Sept. 1992[r]	Aug. 1992	Oct. 1991	Oct. 92/91
All manufacturing industries	475,842	475,862	481,749	0.0	-1.2	-0.9	473,586	474,918	481,181	507,153	-6.6
Manufacturing industries without defense capital goods	347,706	347,366	350,094	+0.1	-0.8	-0.8	345,911	347,597	351,613	361,858	-4.4
Durable goods industries	452,946	453,210	458,755	-0.1	-1.2	-0.9	450,682	451,723	457,579	484,195	-6.9
Stone, clay, and glass products	6,749	6,818	6,929	-1.0	-1.6	-1.5	6,683	7,009	7,195	6,583	+1.5
Primary metals	19,866	20,298	21,291	-2.1	-4.7	+1.1	19,025	19,886	21,111	21,194	-10.2
Blast furnaces, steel mills	7,566	7,749	8,088	-2.4	-4.2	-0.4	7,347	7,712	8,077	9,113	-19.4
Iron and steel foundries	2,760	2,744	2,820	+0.6	-2.7	+0.1	2,749	2,723	2,860	2,895	-5.0
Nonferrous and other primary metals	9,540	9,805	10,383	-2.7	-5.6	+2.5	8,929	9,451	10,174	9,186	-2.8
Fabricated metal products	23,200	22,949	22,544	+1.1	+1.8	-1.1	22,952	23,015	22,655	24,476	-6.2
Industrial machinery and equipment	51,308	51,332	51,170	0.0	+0.3	-0.7	51,177	51,188	51,167	54,339	-5.8
Engines and turbines	10,947	10,985	10,736	-0.3	+2.3	+1.1	11,092	11,060	10,764	10,894	+1.8
Construction, mining and material handling equipment	6,265	6,107	6,053	+2.6	+0.9	+0.2	6,171	5,991	5,946	6,004	+2.8
Metalworking machinery	7,303	7,590	7,684	-3.8	-1.2	-4.1	7,303	7,590	7,684	7,449	-2.0
Computer and office equipment	7,967	7,965	7,971	0.0	-0.1	+1.0	8,142	8,113	8,166	10,584	-23.1
Electronic and other electrical equipment	42,627	42,296	42,007	+0.8	+0.7	+0.1	42,372	41,971	42,104	41,752	+1.5
Electrical transmission and distribution equipment and industrial apparatus	5,855	5,785	6,008	+1.2	-3.7	-0.4	5,828	5,768	6,016	6,475	-10.0
Electric lighting and wiring equipment	2,774	2,767	2,838	+0.3	-2.5	+0.9	2,774	2,767	2,838	2,934	-5.5
Communications equipment	14,593	14,477	14,391	+0.8	+0.6	-0.3	14,628	14,464	14,375	14,457	+1.2
Electronic components	14,816	14,829	14,485	-0.1	+2.4	+1.1	14,505	14,517	14,469	13,197	+9.9
Transportation equipment	249,087	249,180	253,945	0.0	-1.9	-1.3	248,621	248,318	252,259	269,794	-7.8
Aircraft, missiles, space vehicles, and parts	218,390	218,154	221,668	+0.1	-1.6	-1.1	217,956	217,234	219,875	233,864	-6.8
Shipbuilding and tanks	23,103	23,469	24,248	-1.6	-3.2	-2.3	23,158	23,579	24,406	28,402	-18.5
Instruments and related products	52,580	52,745	53,113	-0.3	-0.7	-0.1	52,524	52,542	52,855	58,924	-10.9
Search and navigation equipment	34,946	35,634	35,605	-1.9	+0.1	-1.4	34,884	35,392	35,327	40,339	-13.5
Measuring and controlling devices	8,260	8,214	8,413	+0.6	-2.4	-1.1	8,260	8,214	8,413	8,751	-5.6
Medical instruments and supplies	8,511	7,992	8,141	+6.5	-1.8	+6.5	8,511	7,992	8,141	8,846	-3.8
All other durable goods	7,529	7,592	7,756	-0.8	-2.1	-2.2	7,328	7,794	8,233	7,133	+2.7
Nondurable goods industries	22,896	22,652	22,994	+1.1	-1.5	-0.6	22,904	23,195	23,602	22,958	-0.2

[p] Preliminary. [r] Revised.

Table 4. VALUE OF MANUFACTURERS' INVENTORIES FOR INDUSTRY GROUPS
(Millions of dollars)

Industry	Seasonally adjusted						Not seasonally adjusted				
	Monthly			Percent Change			Monthly				Percent change
	Oct. 1992[p]	Sept. 1992[r]	Aug. 1992	Sept.-Oct.	Aug.-Sept.	July-Aug.	Oct. 1992[p]	Sept. 1992[r]	Aug. 1992	Oct. 1991	Oct. 92/91
All manufacturing industries	383,827	384,390	385,596	-0.1	-0.3	+0.5	384,066	383,105	386,989	388,727	-1.2
Manufacturing industries with unfilled orders	255,356	256,394	257,644	-0.4	-0.5	+0.4	254,825	255,625	259,787	264,922	-3.8
without defense capital goods	352,279	352,792	352,691	-0.1	0.0	+0.8	351,958	351,265	353,454	350,657	+0.4
Durable goods industries	239,417	240,550	242,036	-0.5	-0.6	+0.3	239,289	239,697	243,425	249,622	-4.1
With unfilled orders	221,126	222,211	223,683	-0.5	-0.7	+0.3	221,141	221,651	225,392	231,556	-4.5
Stone, clay, and glass products	7,917	7,981	8,023	-0.8	-0.5	+1.0	7,656	7,764	7,945	7,686	-0.4
Primary metals	19,712	19,885	19,974	-0.9	-0.4	+0.7	19,672	19,980	20,023	20,569	-4.4
Blast furnaces, steel mills	9,685	9,697	9,823	-0.1	-1.3	-0.1	9,704	9,766	9,844	10,154	-4.4
Iron and steel foundries	1,423	1,434	1,428	-0.8	+0.4	+1.0	1,390	1,415	1,412	1,405	-1.1
Nonferrous and other primary metals	8,604	8,754	8,723	-1.7	+0.4	+1.5	8,578	8,799	8,767	9,010	-4.8
Fabricated metal products	22,948	23,172	23,310	-1.0	-0.6	+0.2	22,698	22,915	23,215	22,719	-0.1
Industrial machinery and equipment	44,986	45,089	45,161	-0.2	-0.2	+0.6	45,107	44,988	45,452	47,626	-5.3
Engines and turbines	3,587	3,484	3,582	+3.0	-2.7	+2.7	3,758	3,535	3,732	3,654	+2.8
Farm and garden machinery	2,344	2,344	2,311	0.0	+1.4	-0.3	2,274	2,295	2,228	2,362	-3.7
Construction, mining and material handling equipment	5,817	5,951	5,929	-2.3	+0.4	-0.7	5,759	5,906	5,893	6,636	-13.2
Metalworking machinery	5,625	5,661	5,659	-0.6	0.0	-0.3	5,631	5,692	5,738	5,685	-0.9
Computer and office equipment	9,674	9,530	9,582	+1.5	-0.5	+2.1	9,838	9,598	9,851	10,291	-4.4
Electronic and other electrical equipment	30,698	31,021	31,097	-1.0	-0.2	+0.7	30,573	30,907	31,391	31,081	-1.6
Electrical transmission and distribution equipment and industrial apparatus	4,196	4,240	4,331	-1.0	-2.1	+0.5	4,185	4,213	4,341	4,305	-2.8
Household appliances	2,671	2,678	2,715	-0.3	-1.4	-0.1	2,572	2,560	2,636	2,537	+1.4
Electric lighting and wiring equipment	2,992	2,998	3,000	-0.2	-0.1	+0.3	2,998	2,985	3,017	3,030	-1.1
Household audio and video equipment	1,205	1,222	1,230	-1.4	-0.7	-0.5	1,213	1,266	1,299	1,166	+4.0
Communications equipment	7,251	7,321	7,414	-1.0	-1.3	+1.4	7,250	7,346	7,527	7,186	+0.9
Electronic components	8,883	8,962	8,916	-0.9	+0.5	+0.8	8,883	8,998	9,047	9,322	-4.7
Transportation equipment	69,527	69,431	70,330	+0.1	-1.3	+0.3	69,935	69,283	70,989	75,729	-7.7
Motor vehicles and parts	12,471	12,627	12,483	-1.2	+1.2	+2.1	12,481	12,655	12,536	12,840	-2.8
Aircraft, missiles, space vehicles, and parts	52,854	52,722	53,416	+0.3	-1.3	-0.2	53,307	52,524	53,917	58,735	-9.2
Shipbuilding and tanks	1,809	1,746	2,057	+3.6	-15.1	+1.6	1,793	1,794	2,159	1,855	-3.3
Instruments and related products	23,497	23,814	23,867	-1.3	-0.2	-0.2	23,593	23,781	24,139	24,842	-5.0
Search and navigation equipment	7,017	7,266	7,381	-3.4	-1.6	-1.4	7,074	7,265	7,554	8,497	-16.7
Measuring and controlling devices	6,631	6,687	6,667	-0.8	+0.3	-0.3	6,631	6,695	6,714	6,762	-1.9
Medical instruments and supplies	6,313	6,308	6,285	+0.1	+0.4	+0.9	6,332	6,241	6,274	6,091	+4.0
Photographic goods	2,900	2,911	2,888	-0.4	+0.8	+0.6	2,932	2,951	2,947	2,856	+2.7
All other durable goods	20,132	20,157	20,274	-0.1	-0.6	-0.4	20,055	20,079	20,271	19,370	+3.5
Nondurable goods industries	144,410	143,840	143,560	+0.4	+0.2	+0.9	144,777	143,408	143,564	139,105	+4.1
With unfilled orders	34,230	34,183	33,961	+0.1	+0.7	+1.0	33,684	33,974	34,395	33,366	+1.0
Food and kindred products	30,824	30,595	30,713	+0.7	-0.4	+0.5	32,420	31,185	30,855	31,446	+3.1
Meat products	2,904	2,799	2,811	+3.8	-0.4	+0.9	2,898	2,751	2,755	2,893	+0.2
Dairy products	2,804	2,870	2,908	-2.3	-1.3	+1.1	2,784	2,860	3,004	2,498	+11.4
Beverages	5,725	5,721	5,722	+0.1	0.0	+0.9	5,765	5,710	5,573	5,438	+6.0
All other foods, except fats and oils	17,762	17,604	17,580	+0.9	+0.1	+0.2	19,236	18,456	18,050	18,894	+1.8
Tobacco products	6,820	6,701	6,913	+1.8	-3.1	+2.4	6,875	6,517	6,675	6,500	+5.8
Textile mill products	9,139	9,113	9,093	+0.3	+0.2	+0.7	8,983	9,035	9,199	8,541	+5.2
Broadwoven fabrics and other textiles	5,348	5,306	5,300	+0.8	+0.1	+0.6	5,241	5,193	5,312	5,035	+4.1
Paper and allied products	13,842	13,768	13,744	+0.5	+0.2	+0.8	13,453	13,445	13,590	13,091	+2.8
Pulp, paper, and paperboard mill products	5,870	5,801	5,796	+1.2	+0.1	+1.2	5,676	5,645	5,714	5,220	+8.7
Paperboard containers and boxes	3,221	3,241	3,275	-0.6	-1.0	-0.5	3,140	3,219	3,244	3,152	-0.4
Miscellaneous converted paper products	4,751	4,726	4,673	+0.5	+1.1	+1.3	4,637	4,581	4,632	4,719	-1.7
Chemicals and allied products	35,230	34,980	34,733	+0.7	+0.7	+1.5	34,855	34,388	34,503	33,372	+4.4
Industrial chemicals	17,610	17,688	17,533	-0.4	+0.9	+1.1	17,293	17,445	17,358	16,949	+2.0
Drugs, soaps, and toiletries	12,951	12,705	12,658	+1.9	+0.4	+1.9	13,003	12,552	12,837	11,950	+8.8
Petroleum and coal products	11,611	11,859	11,985	-2.1	-1.1	-0.7	11,912	12,023	11,880	11,915	0.0
Rubber and plastics products	11,387	11,317	11,195	+0.6	+1.1	+0.7	11,214	11,168	11,012	10,967	+2.3
All other nondurable goods	25,557	25,507	25,184	+0.2	+1.3	+1.3	25,065	25,647	25,850	23,273	+7.7

[p] Preliminary. [r] Revised.

Table 5. VALUE OF MANUFACTURERS' SHIPMENTS AND NEW ORDERS FOR TOPICAL SERIES[1]
(Millions of dollars)

Industry	Seasonally adjusted						Not seasonally adjusted [2]						
	Monthly			Percent Change			Monthly				Percent change	Year to date	
	Oct. 1992[p]	Sept. 1992[r]	Aug. 1992	Sept.-Oct.	Aug.-Sept.	July-Aug.	Oct. 1992[p]	Sept. 1992[r]	Aug. 1992	Oct. 1991	Oct. 92/91	1992[p]	199
SHIPMENTS													
All manufacturing industries	244,023	245,838	241,014	-0.7	+2.0	-2.5	256,175	262,873	242,572	250,716	+2.2	2,431,798	2,353,38
Market categories :													
Automotive equipment	9,944	9,635	9,900	+3.2	-2.7	+3.5	11,590	9,976	9,793	11,030	+5.1	98,139	87,30
Home goods and apparel	17,139	17,075	16,799	+0.4	+1.6	-1.8	19,427	19,212	18,080	17,868	+8.7	167,440	151,06
Consumer staples	54,750	56,374	54,006	-2.9	+4.4	-4.5	56,501	60,878	54,625	55,945	+1.0	547,061	539,43
Machinery and equipment	40,329	40,448	39,548	-0.3	+2.3	-0.9	41,007	43,673	37,615	40,045	+2.4	394,696	378,64
Business supplies	19,127	18,685	18,490	+2.4	+1.1	-5.9	20,403	19,646	18,601	20,306	+0.5	189,023	192,27
Construction materials and supplies	15,460	15,736	15,311	-1.8	+2.8	-0.8	16,655	17,054	16,268	15,462	+7.7	154,860	141,99
Defense products	7,887	8,627	7,988	-8.6	+8.0	-3.4	7,773	9,101	7,801	8,549	-9.1	80,831	83,07
Other materials, supplies and and intermediate products	79,387	79,258	78,972	+0.2	+0.4	-2.2	82,819	83,333	79,789	81,511	+1.6	799,748	779,60
Durable goods industries :													
Nondefense capital goods [3]	31,839	32,033	31,173	-0.6	+2.8	-2.1	30,879	35,526	29,348	30,375	+1.7	311,114	301,30
Excluding aircraft and parts	26,138	26,467	25,588	-1.2	+3.4	-2.4	25,506	29,412	24,242	24,249	+5.2	252,169	241,46
Defense capital goods [4]	7,666	8,329	7,743	-8.0	+7.6	-4.1	7,553	8,770	7,494	8,499	-11.1	78,475	82,28
Durables excluding capital goods	85,418	84,984	84,448	+0.5	+0.6	-0.5	93,057	89,887	85,307	89,041	+4.5	849,483	800,97
Miscellaneous series :													
Producers' durable equipment	78,647	78,331	77,290	+0.4	+1.3	-0.9	83,428	84,103	75,063	81,029	+3.0	775,034	734,19
Household durable goods	7,255	7,248	7,194	+0.1	+0.8	-2.2	8,116	8,240	7,378	7,765	+4.5	71,084	66,4
Information technology industries	14,549	14,658	14,140	-0.7	+3.7	-4.8	13,707	17,182	13,186	12,942	+5.9	138,856	128,50
Health care equipment and products	7,658	8,015	7,655	-4.5	+4.7	-2.9	7,605	8,830	7,675	7,600	+0.1	77,723	73,7
NEW ORDERS													
All manufacturing industries	244,003	239,951	236,880	+1.7	+1.3	-2.2	254,843	256,610	236,506	246,333	+3.5	2,403,119	2,341,8
Market categories :													
Automotive equipment	9,906	9,621	9,874	+3.0	-2.6	+3.5	11,561	9,947	9,769	11,016	+4.9	98,084	87,5
Home goods and apparel	17,542	16,938	16,900	+3.6	+0.2	-1.7	19,206	18,911	18,034	17,321	+10.9	168,839	152,6
Consumer staples	54,790	56,386	53,997	-2.8	+4.4	-4.6	56,514	60,884	54,646	55,959	+1.0	547,131	539,4
Machinery and equipment	40,205	38,810	36,984	+3.6	+4.9	-2.1	40,810	41,888	34,962	38,529	+5.9	384,761	370,7
Business supplies	19,092	18,591	18,440	+2.7	+0.8	-6.3	20,163	19,548	18,595	20,040	+0.6	188,843	192,1
Construction materials and supplies	15,540	15,786	15,283	-1.6	+3.3	-0.6	16,423	17,092	16,176	15,232	+7.8	154,820	142,7
Defense products	7,786	5,550	6,929	+40.3	-19.9	+17.2	8,294	6,990	5,454	8,913	-6.9	65,829	76,7
Other materials, supplies and and intermediate products	79,142	78,269	78,473	+1.1	-0.3	-2.2	81,872	81,350	78,870	79,323	+3.2	794,812	779,7
Durable goods industries :													
Nondefense capital goods [3]	31,712	30,571	28,153	+3.7	+8.6	-3.9	30,700	33,951	26,464	28,122	+9.2	299,958	295,1
Excluding aircraft and parts	26,051	26,385	24,779	-1.3	+6.5	-3.1	25,367	29,217	23,569	23,252	+9.1	250,207	236,0
Defense capital goods [4]	7,306	5,170	6,462	+41.3	-20.0	+14.8	7,907	6,523	4,857	8,671	-8.8	62,519	75,7
Durables excluding capital goods	85,641	84,060	84,761	+1.9	-0.8	-0.2	91,841	87,853	84,760	87,307	+5.2	847,553	800,2
Miscellaneous series :													
Producers' durable equipment	78,561	76,463	74,639	+2.7	+2.4	-0.8	82,599	81,726	72,277	79,321	+4.1	763,673	724,1
Household durable goods	7,528	7,266	7,161	+3.6	+1.5	-3.1	7,960	7,993	7,269	7,405	+7.5	71,830	67,3
Information technology industries	14,156	14,827	13,994	-4.5	+6.0	-3.7	13,332	17,299	13,092	12,451	+7.1	136,928	126,6
Health care equipment and products	8,175	7,865	8,148	+3.9	-3.5	+2.7	8,123	8,680	8,167	7,893	+2.9	78,038	73,7

[p] Preliminary. [r] Revised.

[1] Topical series are regroupings of the separate industry categories.

[2] Shipments and new orders are the totals for the period and are adjusted for trading-day and calendar-month variations.

[3] Nondefense capital goods industries include : ordnance and accessories; steam, gas and hydraulic turbines; internal combustion engines; construction, mining, and material handling equipme metalworking machinery; special industry machinery; general industrial machinery; computer and office equipment; refrigeration, heating and service industry machinery; electrical transmission a distribution equipment; electrical industrial apparatus; communications equipment; aircraft, missiles, space vehicles, and engines and parts; ships and tank components; railroad equipment; and sea and navigation equipment.

[4] Defense capital goods industries include : ordnance and accessories; communications equipment; aircraft, missiles, space vehicles, and engines and parts; ships, tanks and tank components; a search and navigation equipment.

Table 6. VALUE OF MANUFACTURERS' UNFILLED ORDERS AND TOTAL INVENTORIES FOR TOPICAL SERIES[1]
(Millions of dollars)

Industry	Seasonally adjusted						Not seasonally adjusted				
	Monthly			Percent Change			Monthly				Percent change
	Oct. 1992[p]	Sept. 1992[r]	Aug. 1992	Sept.-Oct.	Aug.-Sept.	July-Aug.	Oct. 1992[p]	Sept. 1992[r]	Aug. 1992	Oct. 1991	Oct. 92/91
UNFILLED ORDERS											
All manufacturing industries	475,842	475,862	481,749	0.0	-1.2	-0.9	473,586	474,918	481,181	507,153	-6.6
Market categories :											
Automotive equipment	1,622	1,660	1,674	-2.3	-0.8	-1.5	1,620	1,649	1,677	1,773	-8.6
Home goods and apparel	10,057	9,653	9,790	+4.2	-1.4	+1.0	9,838	10,059	10,359	9,309	+5.7
Consumer staples	1,342	1,302	1,290	+3.1	+0.9	-0.7	1,355	1,342	1,336	1,357	-0.1
Machinery and equipment	204,049	204,174	205,811	-0.1	-0.8	-1.2	203,927	204,124	205,909	215,249	-5.3
Business supplies	5,624	5,659	5,754	-0.6	-1.7	-0.9	5,577	5,817	5,915	5,772	-3.4
Construction materials and supplies	14,038	13,957	13,907	+0.6	+0.4	-0.2	13,838	14,070	14,032	14,017	-1.3
Defense products	121,574	121,675	124,752	-0.1	-2.5	-0.8	121,021	120,500	122,610	136,908	-11.6
Other materials, supplies and and intermediate products	117,536	117,782	118,771	-0.2	-0.8	-0.4	116,410	117,357	119,343	122,768	-5.2
Durable goods industries :											
Nondefense capital goods [3]	223,532	223,659	225,121	-0.1	-0.6	-1.3	223,445	223,624	225,199	235,807	-5.2
Excluding aircraft and parts	72,788	72,875	72,957	-0.1	-0.1	-1.1	72,701	72,840	73,035	76,294	-4.7
Defense capital goods [4]	128,136	128,496	131,655	-0.3	-2.4	-1.0	127,675	127,321	129,568	145,295	-12.1
Durables excluding capital goods	101,278	101,055	101,979	+0.2	-0.9	+0.3	99,562	100,778	102,812	103,093	-3.4
Miscellaneous series :											
Producers' durable equipment	225,866	225,952	227,820	0.0	-0.8	-1.2	225,402	226,231	228,608	239,947	-6.1
Household durable goods	5,486	5,213	5,195	+5.2	+0.3	-0.6	5,236	5,392	5,639	5,110	+2.5
Information technology industries	31,545	31,938	31,769	-1.2	+0.5	-0.5	31,713	32,088	31,971	34,863	-9.0
Health care equipment and products	8,537	8,020	8,170	+6.4	-1.8	+6.4	8,538	8,020	8,170	8,875	-3.8
TOTAL INVENTORIES											
All manufacturing industries	383,827	384,390	385,596	-0.1	-0.3	+0.5	384,066	383,105	386,989	388,727	-1.2
Market categories :											
Automotive equipment	6,454	6,478	6,431	-0.4	+0.7	+1.8	6,393	6,421	6,410	6,487	-1.4
Home goods and apparel	29,176	29,176	29,143	0.0	+0.1	+0.4	28,437	28,998	29,430	25,842	+10.0
Consumer staples	59,927	59,418	59,612	+0.9	-0.3	+0.9	61,558	59,803	59,817	59,311	+3.8
Machinery and equipment	87,940	88,201	88,196	-0.3	0.0	+1.1	87,960	87,667	88,614	90,500	-2.8
Business supplies	22,144	22,225	22,115	-0.4	+0.5	+1.5	22,117	22,307	22,359	22,223	-0.5
Construction materials and supplies	22,744	22,913	22,998	-0.7	-0.4	-0.3	22,526	22,628	22,908	22,305	+1.0
Defense products	29,670	29,714	30,770	-0.1	-3.4	-1.7	30,135	29,864	31,331	35,474	-15.1
Other materials, supplies and and intermediate products	125,772	126,265	126,331	-0.4	-0.1	+0.5	124,940	125,417	126,120	126,585	-1.3
Durable goods industries :											
Nondefense capital goods [3]	82,756	82,936	83,091	-0.2	-0.2	+1.2	82,878	82,491	83,724	86,168	-3.8
Excluding aircraft and parts	53,818	53,922	54,490	-0.2	-1.0	+0.5	53,968	53,847	55,114	56,297	-4.1
Defense capital goods [4]	31,548	31,598	32,905	-0.2	-4.0	-2.3	32,108	31,840	33,535	38,070	-15.7
Durables excluding capital goods	125,113	126,016	126,040	-0.7	0.0	+0.5	124,303	125,366	126,166	125,384	-0.9
Miscellaneous series :											
Producers' durable equipment	142,264	143,063	143,111	-0.6	0.0	+0.9	141,947	142,217	143,669	144,418	-1.7
Household durable goods	12,916	12,946	13,061	-0.2	-0.9	+0.1	12,715	12,841	13,176	12,300	+3.4
Information technology industries	27,925	27,919	27,990	0.0	-0.3	+0.9	28,133	27,995	28,508	28,655	-1.8
Health care equipment and products	13,343	13,208	13,159	+1.0	+0.4	+1.4	13,390	13,059	13,241	12,604	+6.2

See footnotes at end of table 5.

Table 7. VALUE OF MANUFACTURERS' INVENTORIES, BY STAGE OF FABRICATION, BY INDUSTRY GROUP
(Millions of dollars)

Industry	Seasonally adjusted						Not seasonally adjusted				
	Monthly			Percent Change			Monthly				Percent change
	Oct. 1992[p]	Sept. 1992[r]	Aug. 1992	Sept.-Oct.	Aug.-Sept.	July-Aug.	Oct. 1992[p]	Sept. 1992[r]	Aug. 1992	Oct. 1991	Oct. 92/91
MATERIALS AND SUPPLIES											
All manufacturing industries	119,303	120,210	120,086	-0.8	+0.1	+0.3	119,338	119,659	119,879	120,298	-0.8
Durable goods industries	66,283	67,296	67,304	-1.5	0.0	+0.8	66,420	67,495	67,678	68,717	-3.3
Stone, clay, and glass products	2,455	2,462	2,467	-0.3	-0.2	+1.9	2,433	2,443	2,473	2,449	-0.7
Primary metals	6,126	6,140	6,151	-0.2	-0.2	-0.2	6,259	6,279	6,210	6,661	-6.0
Fabricated metal products	7,973	8,126	8,190	-1.9	-0.8	+0.2	7,918	8,134	8,255	8,138	-2.7
Industrial machinery and equipment	13,623	13,645	13,484	-0.2	+1.2	+2.6	13,641	13,722	13,541	13,561	+0.6
Electronic and other electrical equipment	8,971	9,087	9,123	-1.3	-0.4	+1.1	8,983	9,078	9,189	9,327	-3.7
Transportation equipment	12,414	12,970	13,108	-4.3	-1.1	+0.4	12,340	12,891	13,203	14,245	-13.4
Instruments and related products	7,133	7,152	7,089	-0.3	+0.9	+1.1	7,063	7,144	7,142	6,702	+5.4
Lumber, furniture and miscellaneous durable goods	7,588	7,714	7,692	-1.6	+0.3	-1.6	7,783	7,804	7,665	7,634	+2.0
Nondurable goods industries	53,020	52,914	52,782	+0.2	+0.3	-0.3	52,918	52,164	52,201	51,581	+2.6
Food and kindred products	10,410	10,157	10,150	+2.5	+0.1	-0.2	10,631	9,698	9,826	9,913	+7.2
Tobacco products	5,276	5,405	5,300	-2.4	+2.0	-0.9	5,172	5,270	4,999	4,825	+7.2
Textile mill products	2,768	2,801	2,781	-1.2	+0.7	-1.2	2,669	2,743	2,787	2,487	+7.3
Paper and allied products	6,911	6,847	6,888	+0.9	-0.6	+0.1	6,819	6,784	6,816	6,764	+0.8
Chemicals and allied products	11,897	11,797	11,761	+0.8	+0.3	-0.1	11,933	11,717	11,807	11,647	+2.5
Petroleum and coal products	2,941	3,036	3,149	-3.1	-3.6	-2.3	2,968	3,026	3,123	3,237	-8.3
Rubber and plastics products	4,376	4,402	4,366	-0.6	+0.8	-0.3	4,396	4,426	4,290	4,330	+1.5
Apparel, printing and publishing and leather goods	8,441	8,469	8,387	-0.3	+1.0	+0.3	8,330	8,500	8,553	8,369	-0.5
WORK IN PROCESS											
All manufacturing industries	134,091	133,727	134,698	+0.3	-0.7	+0.3	135,215	134,243	135,987	142,276	-5.0
Durable goods industries	111,043	110,652	111,741	+0.4	-1.0	+0.1	111,707	111,024	112,921	119,477	-6.5
Stone, clay, and glass products	1,129	1,141	1,134	-1.1	+0.6	-0.1	1,080	1,113	1,123	1,078	+0.2
Primary metals	7,283	7,366	7,476	-1.1	-1.5	-0.2	7,238	7,401	7,570	7,732	-6.4
Fabricated metal products	7,428	7,455	7,506	-0.4	-0.7	-0.5	7,429	7,448	7,491	7,483	-0.7
Industrial machinery and equipment	18,392	18,352	18,374	+0.2	-0.1	+0.9	18,620	18,585	18,432	20,202	-7.8
Electronic and other electrical equipment	13,342	13,279	13,222	+0.5	+0.4	+2.1	13,320	13,321	13,396	13,150	+1.3
Transportation equipment	48,563	47,926	48,742	+1.3	-1.7	-0.3	49,002	48,020	49,338	52,945	-7.4
Instruments and related products	10,728	10,979	11,110	-2.3	-1.2	-1.4	10,870	11,000	11,338	12,713	-14.5
Lumber, furniture and miscellaneous durable goods	4,178	4,154	4,177	+0.6	-0.6	-0.3	4,148	4,136	4,233	4,174	-0.6
Nondurable goods industries	23,048	23,075	22,957	-0.1	+0.5	+1.4	23,508	23,219	23,066	22,799	+3.1
Food and kindred products	3,670	3,617	3,556	+1.5	+1.7	+2.9	3,953	3,627	3,339	3,806	+3.9
Tobacco products	65	66	53	-1.5	+24.5	-8.6	101	79	45	126	-19.8
Textile mill products	2,429	2,434	2,470	-0.2	-1.5	+1.6	2,439	2,464	2,510	2,499	-2.4
Paper and allied products	1,102	1,108	1,107	-0.5	+0.1	-0.5	1,069	1,082	1,119	1,148	-6.9
Chemicals and allied products	5,629	5,563	5,494	+1.2	+1.3	+2.3	5,641	5,559	5,570	5,422	+4.0
Petroleum and coal products	3,068	3,159	3,073	-2.9	+2.8	+0.6	3,200	3,187	3,069	3,056	+4.7
Rubber and plastics products	1,477	1,454	1,472	+1.6	-1.2	-0.8	1,512	1,459	1,480	1,639	-7.7
Apparel, printing and publishing and leather goods	5,608	5,674	5,732	-1.2	-1.0	+1.0	5,593	5,762	5,934	5,101	+9.6
FINISHED GOODS											
All manufacturing industries	130,433	130,453	130,812	0.0	-0.3	+1.1	129,513	129,203	131,123	126,153	+2.7
Durable goods industries	62,091	62,602	62,991	-0.8	-0.6	+0.3	61,162	61,178	62,826	61,428	-0.4
Stone, clay, and glass products	4,333	4,378	4,422	-1.0	-1.0	+0.8	4,143	4,208	4,349	4,159	-0.4
Primary metals	6,303	6,379	6,347	-1.2	+0.5	+2.7	6,175	6,300	6,243	6,176	0.0
Fabricated metal products	7,547	7,591	7,614	-0.6	-0.3	+0.9	7,351	7,333	7,469	7,098	+3.6
Industrial machinery and equipment	12,971	13,092	13,303	-0.9	-1.6	-1.9	12,846	12,681	13,479	13,863	-7.3
Electronic and other electrical equipment	8,385	8,655	8,752	-3.1	-1.1	-2.0	8,270	8,508	8,806	8,604	-3.9
Transportation equipment	8,550	8,535	8,480	+0.2	+0.6	+3.2	8,593	8,372	8,448	8,539	+0.6
Instruments and related products	5,636	5,683	5,668	-0.8	+0.3	+0.4	5,660	5,637	5,659	5,427	+4.3
Lumber, furniture and miscellaneous durable goods	8,366	8,289	8,405	+0.9	-1.4	+0.6	8,124	8,139	8,373	7,562	+7.4
Nondurable goods industries	68,342	67,851	67,821	+0.7	0.0	+1.8	68,351	68,025	68,297	64,725	+5.6
Food and kindred products	16,744	16,821	17,007	-0.5	-1.1	+0.5	17,836	17,860	17,690	17,727	+0.6
Tobacco products	1,479	1,230	1,560	+20.2	-21.2	+16.0	1,602	1,168	1,631	1,549	+3.4
Textile mill products	3,942	3,878	3,842	+1.7	+0.9	+1.5	3,875	3,828	3,902	3,555	+9.0
Paper and allied products	5,829	5,813	5,749	+0.3	+1.1	+2.0	5,565	5,579	5,655	5,179	+7.5
Chemicals and allied products	17,704	17,620	17,478	+0.5	+0.8	+2.4	17,281	17,112	17,126	16,279	+6.2
Petroleum and coal products	5,602	5,664	5,763	-1.1	-1.7	-0.5	5,744	5,810	5,688	5,622	+2.2
Rubber and plastics products	5,534	5,461	5,357	+1.3	+1.9	+2.1	5,306	5,283	5,242	4,998	+6.2
Apparel, printing and publishing and leather goods	11,508	11,364	11,065	+1.3	+2.7	+2.2	11,142	11,385	11,363	9,803	+13.7

[p] Prelimary. [r] Revised.

Table 8. RATIOS OF MANUFACTURES' INVENTORIES TO SHIPMENTS AND UNFILLED ORDERS TO SHIPMENTS, BY INDUSTRY GROUP
(Based on seasonally adjusted data)

Industry	Inventory / Shipments ratio				Unfilled Orders / Shipments ratio[1]			
	Oct. 1992[p]	Sept. 1992[r]	Aug. 1992	July 1992	Oct. 1992[p]	Sept. 1992[r]	Aug. 1992	July 1992
All manufacturing industries	1.57	1.56	1.60	1.55	3.64	3.63	3.74	3.67
Durable goods industries	1.92	1.92	1.96	1.93	4.44	4.41	4.56	4.50
Stone, clay, and glass products	1.42	1.44	1.48	1.44	1.31	1.33	1.38	1.38
Primary metals	1.84	1.83	1.83	1.78	1.85	1.87	1.95	1.89
Fabricated metal products	1.73	1.72	1.74	1.74	1.93	1.89	1.85	1.86
Industrial machinery and equipment	2.16	2.14	2.16	2.13	2.59	2.55	2.56	2.58
Electronic and other electrical equipment	1.66	1.70	1.80	1.70	2.31	2.32	2.43	2.31
Transportation equipment	2.16	2.20	2.22	2.22	13.37	13.49	14.06	13.74
Instruments and related products	2.33	2.25	2.36	2.35	5.21	4.99	5.25	5.23
Nondurable goods industries	1.21	1.19	1.22	1.16	0.79	0.79	0.82	0.79
Food and kindred products	0.93	0.91	0.94	0.94	(X)	(X)	(X)	(X)
Tobacco products	2.81	1.92	3.38	2.04	(X)	(X)	(X)	(X)
Textile mill products	1.53	1.48	1.49	1.46	(NA)	(NA)	(NA)	(NA)
Paper and allied products	1.34	1.32	1.31	1.28	(NA)	(NA)	(NA)	(NA)
Chemicals and allied products	1.44	1.41	1.41	1.34	(X)	(X)	(X)	(X)
Petroleum and coal products	0.89	0.92	0.91	0.85	(X)	(X)	(X)	(X)
Rubber and plastics products	1.30	1.29	1.27	1.24	(X)	(X)	(X)	(X)

[p] Preliminary. [r] Revised. (X) Not applicable. (NA) Not available.

[1] Excludes the following industries with no unfilled orders : Wood and lumber products; glass containers; metal cans, barrels and drums; farm and garden machinery; motor vehicle assembly operations; other transportation equipment; foods and related products; tobacco; knitting mill products; apparel and related products; chemicals; petroleum and coal products; and rubber and plastics products.

Table 9. REVISIONS TO PREVIOUSLY PUBLISHED MONTHLY PERCENT CHANGES
(Based on seasonally adjusted data)

Industry	Shipments			New orders			Unfilled orders			Inventories		
	Oct.[1] 1992	Oct.[2] 1987-1991	Oct. 1991-Sept. 1992	Oct.[1] 1992	Oct.[2] 1987-1991	Oct. 1991-Sept. 1992	Oct.[1] 1992	Oct.[2] 1987-1991	Oct. 1991-Sept. 1992	Oct.[1] 1992	Oct.[2] 1987-1991	Oct. 1991-Sept. 1992
All manufacturing industries	(X)	0.0	0.1	(X)	0.2	0.3	(X)	0.1	0.1	(X)	0.1	0.1
Durable goods industries	0.3	0.2	0.2	0.2	0.4	0.5	-0.1	0.1	0.1	(X)	0.1	0.1
Stone, clay, and glass products	(X)	0.8	0.7	(X)	0.6	1.4	(X)	0.8	0.7	(X)	0.2	0.2
Primary metals	0.5	0.7	0.2	-0.9	1.0	0.7	-0.6	0.3	0.3	(X)	0.2	0.1
Fabricated metal products	(X)	0.6	0.4	(X)	0.8	0.6	(X)	0.2	0.3	(X)	0.1	0.2
Industrial machinery and equipment	1.6	1.0	0.3	2.6	1.1	0.5	0.5	0.2	0.1	(X)	0.2	0.1
Electronic and other electrical equipment	0.0	0.1	0.3	0.1	0.3	0.6	0.0	0.1	0.1	(X)	0.1	0.1
Transportation equipment	-0.3	0.2	0.5	-0.3	0.5	1.5	0.0	0.0	0.1	(X)	0.2	0.2
Instruments and related products	(X)	0.3	0.7	(X)	1.1	0.5	(X)	0.4	0.1	(X)	0.1	0.1
Nondurable goods industries	(X)	0.0	0.1	(X)	0.1	0.1	(X)	0.2	0.4	(X)	0.1	0.2
Food and kindred products	(X)	0.2	0.3	(X)	(X)	(X)	(X)	(X)	(X)	(X)	0.3	0.4
Tobacco products	(X)	0.3	2.5	(X)	(X)	(X)	(X)	(X)	(X)	(X)	0.0	0.1
Textile mill products	(X)	0.4	0.5	(X)	(NA)	(NA)	(X)	(NA)	(NA)	(X)	0.4	0.4
Paper and allied products	(X)	0.2	0.2	(X)	(NA)	(NA)	(X)	(NA)	(NA)	(X)	0.2	0.4
Chemicals and allied products	(X)	0.2	0.2	(X)	(X)	(X)	(X)	(X)	(X)	(X)	0.1	0.2
Petroleum and coal products	(X)	0.3	0.2	(X)	(X)	(X)	(X)	(X)	(X)	(X)	0.3	0.3
Rubber and plastics products	(X)	0.9	0.4	(X)	(X)	(X)	(X)	(X)	(X)	(X)	0.3	0.2
Capital goods industries :												
Nondefense	0.5	0.4	0.5	1.2	0.7	1.0	0.1	0.1	0.1	(X)	0.1	0.1
Defense	0.1	0.2	1.0	-0.7	1.4	5.5	-0.1	0.1	0.2	(X)	0.1	0.4

(X) Not applicable. (NA) Not available.

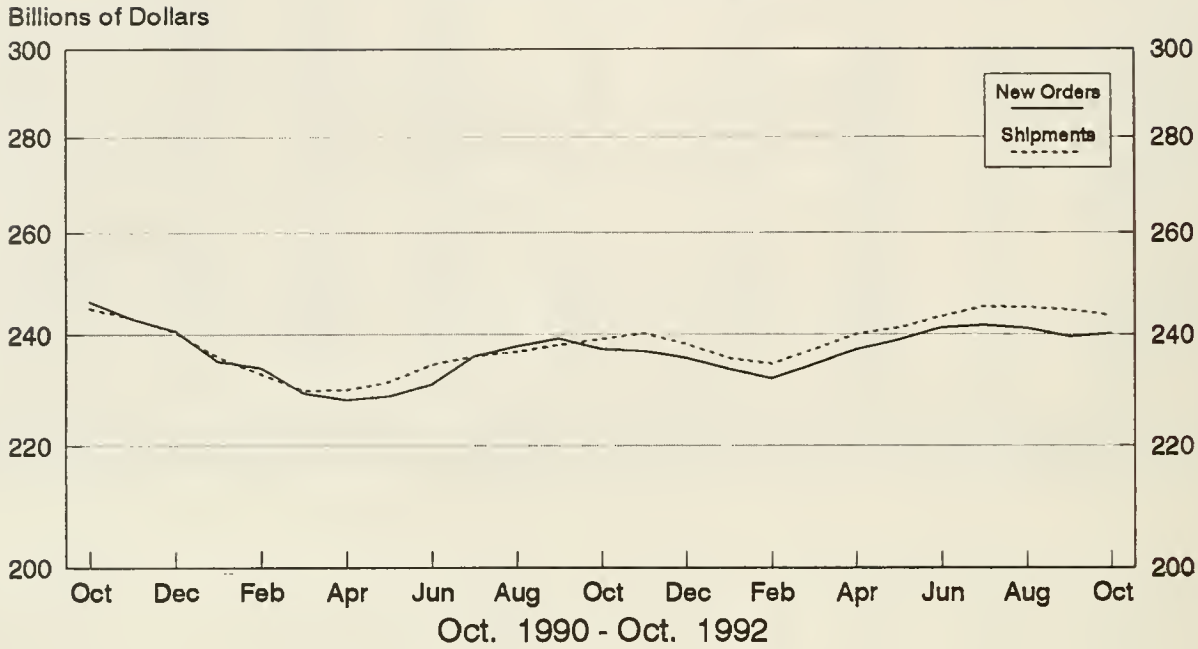
Note : The five year and the twelve month revisions are the differences between the month-to-month percent changes of the preliminary and final estimates. The monthly averages are the simple averages of the absolute values of the differences for the months specified. The advance to final percent change revisions for the durable goods industries are shown in the advance report for the month.

[1] The current month revisions are the difference between the advance precent change and the percent change as shown in this publication.

[2] Average for this month for the last five years.

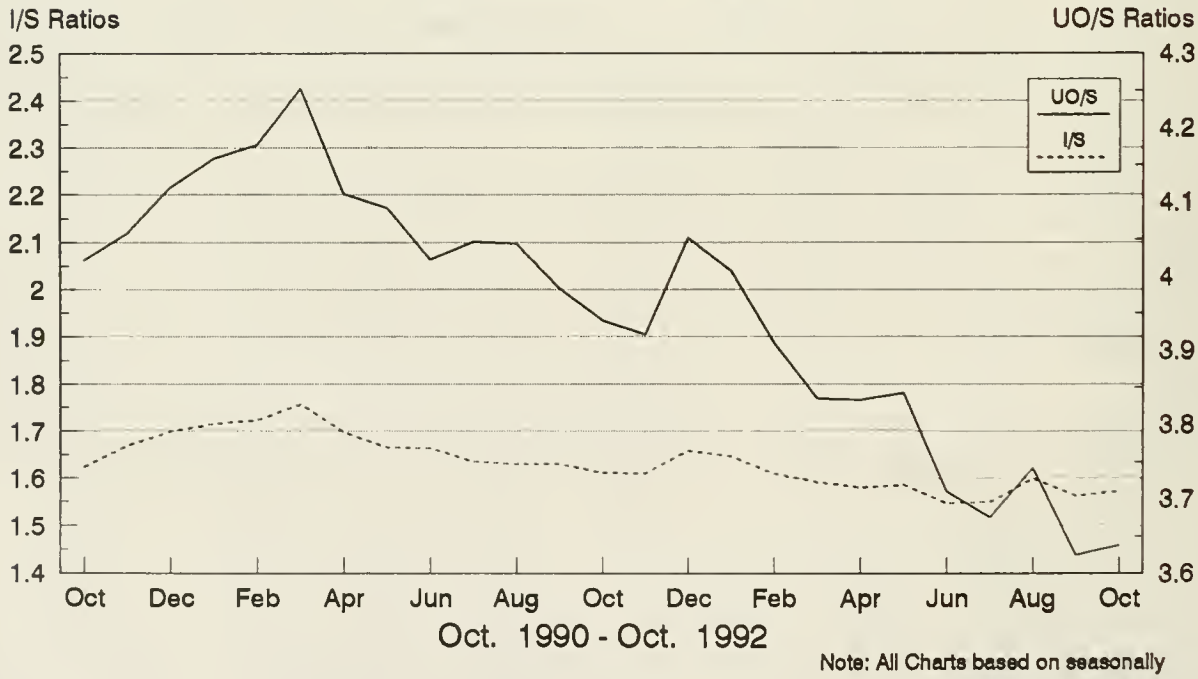
Total Manufacturing

New Orders and Shipments
Three Month Moving Averages



Total Manufacturing

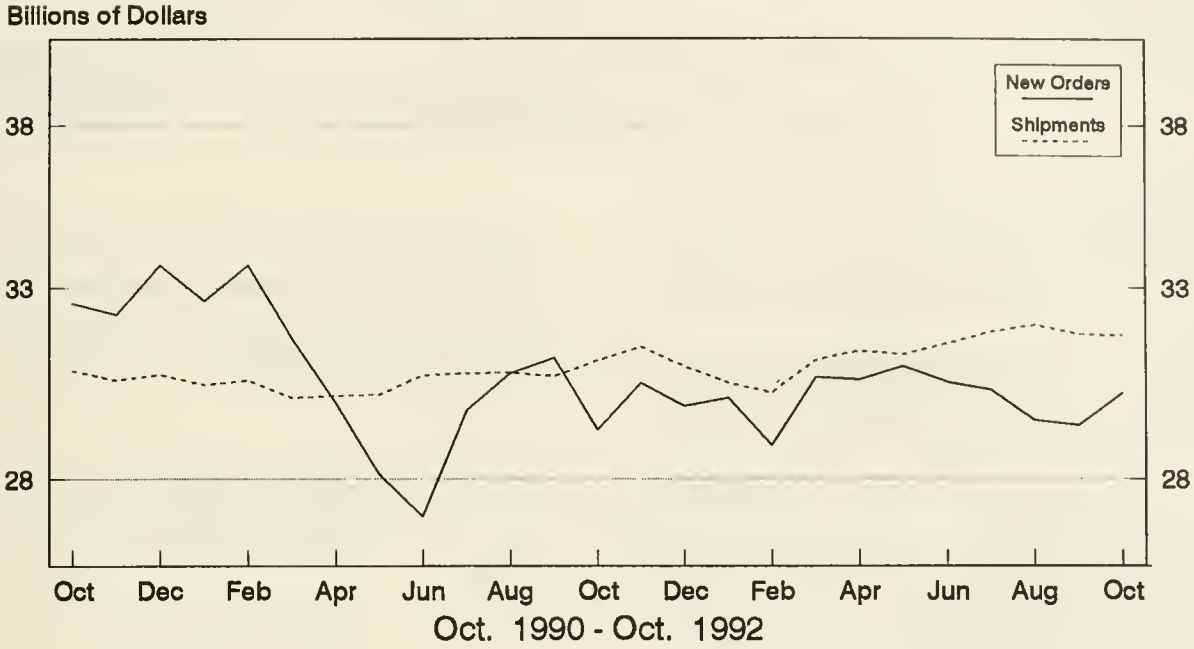
Ratio of Unfilled Orders and
Inventories to Shipments



Note: All Charts based on seasonally adjusted current dollars.

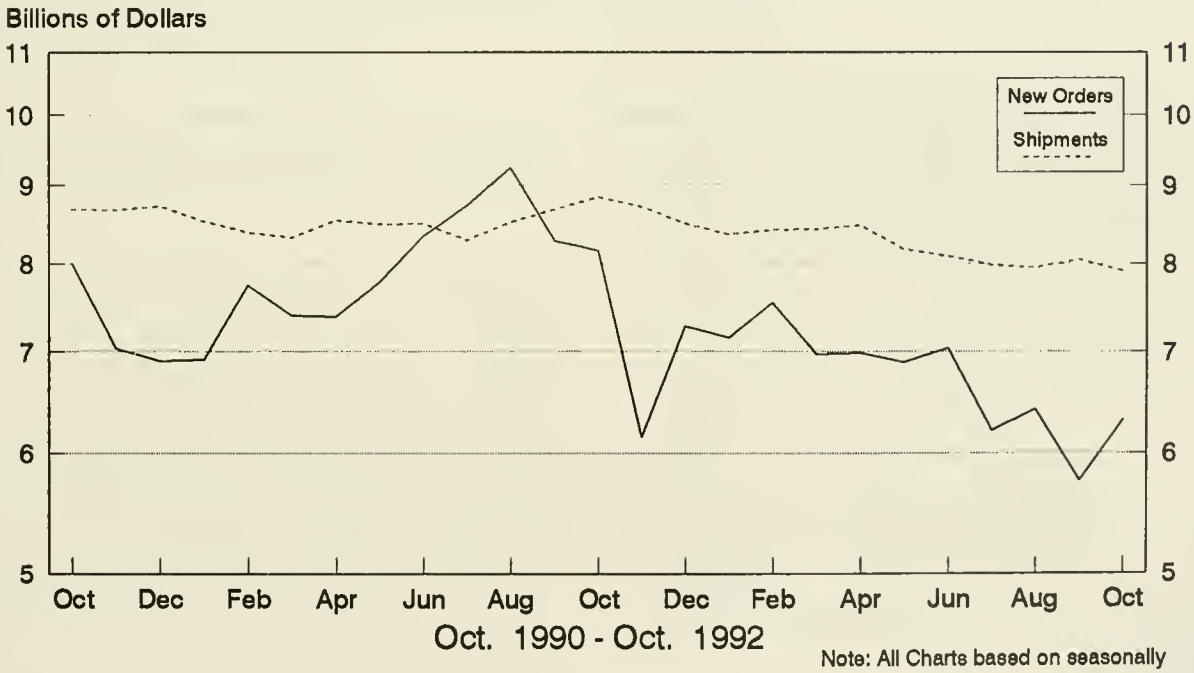
Nondefense Capital Goods

New Orders and Shipments
Three Month Moving Averages



Defense Capital Goods

New Orders and Shipments
Three Month Moving Averages



Note: All Charts based on seasonally adjusted current dollars.

U.S. Department of Commerce
BUREAU OF THE CENSUS
Washington, D.C. 20233

Official Business
Penalty for Private Use, $300

U.S.MAIL

POSTAGE AND FEES PA
U S DEPARTMENT OF COMMER
COM-20

First Class Mail

PUBLICATION DATES FOR THE 1993 MONTHLY M3 SURVEY
MANUFACTURERS' SHIPMENTS, INVENTORIES, AND ORDERS

Report Covering	Advance Report Release Dates (8:30 a.m. release time)	Regular Report Release Dates (10:00 a.m. release time)
December 1992	Fri., Jan. 29	Thurs., Feb. 4
January 1993	Wed., Feb. 24	Thurs., Mar. 4
February 1993	Wed., Mar. 24	Wed., Mar. 31
March 1993	Fri., Apr. 23	Fri., Apr. 30
April 1993	Wed., May 26	Fri., June 4
May 1993	Wed., June 23	Wed., June 30
June 1993	Wed., July 28	Thurs., Aug. 5
July 1993	Wed., Aug. 25	Thurs., Sept. 2
August 1993	Fri., Sept. 24	Fri., Oct. 1
September 1993	Wed., Oct. 27	Thurs., Nov. 4
October 1993	Wed., Nov. 24	Fri., Dec. 3
November 1993	Thurs., Dec. 23	

The Manufacturers' Shipments, Inventories, and Orders press release can be faxed to you on the day of issue at a cost of $120 per year. The fee is to cover the subscription service, wire transmission, and administrative costs. If you wish to subscribe to this service, or would like more information, please call Sandy Sollinger at (301) 763-2604.

C. 158: M 3-1-(92)-11

ent Industrial Reports, Manufac...

APR 21

Manufacturers' Shipments, Inventories, and Orders

November 1992

M3-1-(92)-11

For Wire Transmissions 10:00 a.m. E.S.T. December 31, 1992

U. S. Department of Commerce
BUREAU OF THE CENSUS

Steve Andrews or Kathy Menth
(301)763-2502 or (301)763-2575

Note: All figures in text are in seasonally adjusted current dollars

Summary

New orders for manufactured goods in November decreased $2.2 billion or 0.9 percent to $242.6 billion, the Department of Commerce, Bureau of the Census reported today. This follows increases of 2.0 percent in October and 1.3 percent in September. Excluding defense, new orders were down $1.6 billion or 0.7 percent. New orders without transportation equipment increased $1.1 billion or 0.5 percent.

Shipments increased $2.6 billion or 1.1 percent to $247.0 billion, following a 0.6 percent October decrease and a 2.0 percent September increase. Excluding defense, shipments increased $2.7 billion. Without transportation equipment, shipments were up $1.3 billion.

Unfilled orders declined $4.4 billion or 0.9 percent to $471.8 billion, the lowest level since $462.5 billion in November 1988. This is the thirteenth decline in the last fourteen months. Excluding defense, unfilled orders decreased $3.8 billion or 1.1 percent. Without transportation equipment, unfilled orders increased $0.2 billion or 0.1 percent.

Inventories decreased $1.9 billion or 0.5 percent to $381.8 billion, following a 0.2 percent decrease in October. Excluding defense, inventories decreased $1.0 billion. The inventories-to-shipments ratio decreased from 1.57 in October to 1.55 in November.

New Orders

New orders for durable goods in November decreased $2.3 billion or 1.9 percent to $123.0 billion. This follows increases of 4.6 percent in October and 0.4 percent in September.

Transportation equipment had the largest decrease, down $3.4 billion or 10.3 percent to $29.1 billion, as a decrease in aircraft and parts more than offset an increase in motor vehicles and parts. This follows a 21.2 percent increase in October. Electronic and other electrical equipment was down $0.7 billion or 3.7 percent to $18.2 billion. Industrial machinery and equipment had the largest increase, up $1.0 billion or 4.8 percent to $21.7 billion, following a 2.7 percent decline in October.

New orders for nondurable goods increased $0.1 billion or 0.1 percent to $119.6 billion, following a 0.6 percent decrease in October. The largest increase was in food and kindred products.

Shipments

Shipments of durable goods in November increased $2.4 billion or 1.9 percent to $127.6 billion, following a 0.1 percent decrease in October. The largest increases were in transportation equipment, up $1.3 billion or 3.9 percent to $33.7 billion, due to motor vehicles and parts and aircraft and parts, and industrial machinery and equipment, up $1.3 billion or 6.1 percent to $22.0 billion. The largest decrease was in electronic and other electrical equipment, down $0.4 billion or 2.1 percent to $18.1 billion.

Shipments of nondurable goods were up $0.2 billion or 0.1 percent to $119.4 billion, following a 1.0 percent decrease in October. The largest increase was in food and kindred products, up $0.3 billion or 0.9 percent to $33.5 billion.

Unfilled Orders

Unfilled orders for durable goods in November decreased $4.6 billion or 1.0 percent to $448.8 billion, the lowest level since $440.7 billion in November 1988. This is the fourteenth decline in the last fifteen months. The largest decrease was in transportation equipment, down $4.6 billion or 1.8 percent to $244.6 billion, due to aircraft and parts and shipbuilding and tanks. Transportation equipment has declined in thirteen of the last fifteen months and is at the lowest level since $243.1 billion in September 1989. Primary metals was down $0.4 billion or 2.1 percent to $19.5 billion, and industrial machinery and equipment declined $0.3 billion or 0.6 percent to $50.9 billion. Unfilled orders for nondurable goods increased $0.2 billion or 0.8 percent to $23.1 billion.

Inventories

Inventories for durable goods in November decreased $1.7 billion or 0.7 percent to $237.7 billion, the lowest level since $237.4 billion in November 1988. This is the thirteenth decline in the last fourteen months. The largest decrease was in transportation equipment down $1.2 billion or 1.7 percent to $68.3 billion, due to aircraft and parts and motor vehicles and parts. Transportation equipment has declined in ten of the last twelve months and is at the lowest level since $68.0 billion in June 1989.

Nondurable goods, declined $0.3 billion or 0.2 percent to $144.0 billion. This follows nine consecutive monthly increases. Petroleum and coal products and food and kindred products had the largest decreases, both down $0.3 billion.

By stage of fabrication, finished goods decreased 0.4 percent in durables and increased 0.3 percent in nondurables. Work in process was down 1.1 percent in durables and 0.3 percent in nondurables. Materials and supplies decreased 0.3 percent in durables and decreased 0.8 percent in nondurables.

(SEE BACK PAGE FOR 1993 RELEASE DATES)

The advance report on durable goods for December is scheduled for January 29, 1993 at 8:30 a.m. and the full report on February 4, 1993 at 10:00 a.m. For sale by the Superintendent of Documents, U.S. Government Printing Office, Washington, DC 20402. This report is also available the day of issue through the Department of Commerce's online Economic Bulletin Board (N-8-1) (202-482-3870) and through the Census Bureau's online information service-CENDATA. CENDATA is available from Dialog Information Services, Inc. (1-800-334-2464) and CompuServe (1-800-848-8199). The CENDATA staff at the Bureau of the Census (301-763-2074) can provide content information and general guidance.

Table 1. VALUE OF MANUFACTURERS' SHIPMENTS FOR INDUSTRY GROUPS
(Millions of dollars)

Industry	Seasonally adjusted						Not seasonally adjusted[1]						
	Monthly			Percent Change			Monthly				Percent change	Year to date	
	Nov. 1992[p]	Oct. 1992[r]	Sept. 1992	Oct.-Nov.	Sept.-Oct.	Aug.-Sept.	Nov. 1992[p]	Oct. 1992[r]	Sept. 1992	Nov. 1991	Nov. 92/91	1992[p]	1991
All manufacturing industries	246,962	244,391	245,838	+1.1	-0.6	+2.0	248,568	256,009	262,873	241,483	+2.9	2,680,200	2,594,87
Manufacturing Industries													
with unfilled orders	132,075	130,891	131,260	+0.9	-0.3	+2.0	133,252	136,146	141,210	130,315	+2.3	1,429,744	1,393,18
without defense capital goods	239,499	236,779	237,509	+1.1	-0.3	+1.8	240,629	248,469	254,103	232,347	+3.6	2,593,799	2,503,45
Durable goods industries	127,556	125,162	125,346	+1.9	-0.1	+1.6	127,566	131,374	134,183	122,547	+4.1	1,366,523	1,307,06
With unfilled orders	103,425	102,046	102,758	+1.4	-0.7	+2.1	103,760	105,669	111,051	101,113	+2.6	1,115,118	1,080,47
Stone, clay, and glass products	5,247	5,556	5,535	-5.6	+0.4	+2.0	5,266	6,102	6,044	4,798	+9.8	58,573	53,09
Primary metals	10,915	10,749	10,878	+1.5	-1.2	-0.4	10,806	11,372	11,333	10,685	+1.1	122,383	120,42
Blast furnaces, steel mills	4,677	4,597	4,656	+1.7	-1.3	+0.6	4,621	4,837	4,765	4,506	+2.6	52,015	50,75
Iron and steel foundries	1,026	1,000	977	+2.6	+2.4	-0.3	1,009	1,113	1,039	907	+11.2	11,071	10,26
Nonferrous and other primary metals	5,212	5,152	5,245	+1.2	-1.8	-1.3	5,176	5,422	5,529	5,272	-1.8	59,297	59,40
Fabricated metal products	13,510	13,326	13,455	+1.4	-1.0	+0.4	13,422	14,264	14,241	13,421	0.0	147,078	144,75
Industrial machinery and equipment	21,986	20,730	21,060	+6.1	-1.6	+0.6	21,235	20,743	23,179	19,579	+8.5	228,102	221,12
Engines and turbines	1,543	1,567	1,683	-1.5	-6.9	+14.6	1,534	1,464	1,923	1,524	+0.7	16,442	16,25
Farm and garden machinery	1,261	1,038	954	+21.5	+8.8	-1.9	1,087	1,099	902	956	+13.7	12,427	12,74
Construction, mining and material handling equipment	2,483	2,424	2,501	+2.4	-3.1	+4.3	2,443	2,493	2,480	2,221	+10.0	25,588	27,84
Metalworking machinery	2,573	1,994	2,404	+29.0	-17.1	+7.0	2,591	2,188	2,564	2,034	+27.4	23,982	21,64
Computer and office equipment	6,244	5,562	5,770	+12.3	-3.6	-3.0	6,057	5,087	7,477	5,383	+12.5	62,445	55,37
Electronic and other electrical equipment	18,143	18,536	18,199	-2.1	+1.9	+5.2	18,698	18,638	20,006	17,751	+5.3	192,150	181,87
Electrical transmission and distribution equipment and industrial apparatus	2,366	2,402	2,371	-1.5	+1.3	+1.4	2,275	2,357	2,661	2,175	+4.6	25,723	25,03
Household appliances	1,687	1,624	1,625	+3.9	-0.1	+2.8	1,604	1,628	1,684	1,538	+4.3	17,276	16,83
Electric lighting and wiring equipment	1,757	1,711	1,723	+2.7	-0.7	+3.7	1,887	1,759	1,881	1,801	+4.8	18,778	17,94
Household audio and video equipment	1,061	1,059	934	+0.2	+13.4	-12.4	1,330	1,320	1,224	1,234	+7.8	11,280	9,88
Communications equipment	3,991	4,300	4,302	-7.2	0.0	+14.8	3,940	3,897	4,780	3,616	+9.0	41,534	36,84
Electronic components	5,679	5,819	5,622	-2.4	+3.5	+5.6	5,770	5,828	5,906	5,376	+7.3	59,711	56,95
Transportation equipment	33,712	32,459	31,579	+3.9	+2.8	-0.3	34,108	35,234	33,010	32,960	+3.5	355,316	334,98
Motor vehicles and parts	21,039	20,129	19,005	+4.5	+5.9	-2.5	21,602	23,281	19,562	19,201	+12.5	217,385	192,79
Aircraft, missiles, space vehicles, and parts	10,369	10,068	10,083	+3.0	-0.1	+2.8	10,325	9,617	10,854	11,580	-10.8	112,456	117,22
Shipbuilding and tanks	1,041	960	1,108	+8.4	-13.4	+1.7	1,035	969	1,145	1,064	-2.7	11,556	12,27
Instruments and related products	10,054	10,083	10,565	-0.3	-4.6	+4.4	10,288	10,169	11,276	10,751	-4.3	111,975	112,82
Search and navigation equipment	2,578	2,571	2,778	+0.3	-7.5	+5.7	2,820	2,563	3,000	3,262	-13.5	29,338	31,98
Measuring and controlling devices	2,627	2,649	2,714	-0.8	-2.4	+2.7	2,580	2,677	2,876	2,606	-1.0	29,053	28,19
Medical instruments and supplies	2,847	2,830	2,990	+0.6	-5.4	+6.0	2,787	2,786	3,139	2,806	-0.7	31,485	30,52
Photographic goods	1,655	1,686	1,718	-1.8	-1.9	+3.4	1,759	1,786	1,875	1,737	+1.3	18,254	18,51
All other durable goods	13,989	13,723	14,075	+1.9	-2.5	+3.4	13,743	14,852	15,094	12,602	+9.1	150,946	137,98
Nondurable goods industries	119,406	119,229	120,492	+0.1	-1.0	+2.4	121,002	124,635	128,690	118,936	+1.7	1,313,677	1,287,80
With unfilled orders	28,650	28,845	28,502	-0.7	+1.2	+1.4	29,492	30,477	30,159	29,202	+1.0	314,626	312,70
Food and kindred products	33,471	33,188	33,560	+0.9	-1.1	+2.7	33,667	34,367	35,532	32,749	+2.8	361,495	355,25
Meat products	7,601	7,508	7,667	+1.2	-2.1	+3.1	7,464	7,794	7,941	7,228	+3.3	81,868	82,38
Dairy products	4,375	4,360	4,412	+0.3	-1.2	+0.4	4,427	4,342	4,513	4,264	+3.8	47,714	45,30
Beverages	4,702	4,660	4,729	+0.9	-1.5	+2.2	4,472	4,530	4,813	4,253	+5.1	51,593	49,39
All other foods, except fats and oils	15,035	14,853	14,946	+1.2	-0.6	+2.9	15,546	15,894	16,459	15,276	+1.8	161,326	160,11
Tobacco products	2,432	2,406	3,493	+1.1	-31.1	+70.8	3,128	2,251	4,053	3,682	-15.0	29,402	29,24
Textile mill products	5,915	5,927	6,143	-0.2	-3.5	+1.0	6,145	6,422	6,792	6,116	+0.5	67,013	62,42
Broadwoven fabrics and other textiles	3,666	3,667	3,848	0.0	-4.7	+0.7	3,725	3,904	4,274	3,777	-1.4	42,172	39,34
Paper and allied products	10,306	10,333	10,456	-0.3	-1.2	-0.4	10,146	10,538	10,758	10,114	+0.3	115,133	114,41
Pulp, paper, and paperboard mill products	4,386	4,334	4,401	+1.2	-1.5	-0.6	4,355	4,337	4,467	4,336	+0.4	48,777	49,25
Paperboard containers and boxes	2,495	2,503	2,551	-0.3	-1.9	+1.0	2,458	2,638	2,601	2,377	+3.4	27,754	26,46
Miscellaneous converted paper products	3,425	3,496	3,504	-2.0	-0.2	-1.3	3,333	3,563	3,690	3,401	-2.0	38,602	38,69
Chemicals and allied products	24,504	24,444	24,862	+0.2	-1.7	+0.9	23,797	24,328	26,118	23,035	+3.3	272,720	266,44
Industrial chemicals	12,924	12,923	13,017	0.0	-0.7	-0.7	12,678	13,128	13,293	12,139	+4.4	142,239	140,81
Drugs, soaps, and toiletries	9,119	8,906	9,258	+2.4	-3.8	+4.1	8,991	8,859	10,505	8,498	+5.8	99,228	93,24
Petroleum and coal products	13,155	13,149	12,898	0.0	+1.9	-1.6	13,624	14,256	14,190	13,690	-0.5	145,165	147,96
Rubber and plastics products	8,853	8,778	8,763	+0.9	+0.2	-0.3	8,405	9,213	9,146	8,358	+0.6	98,789	95,85
All other nondurable goods	20,770	21,004	20,317	-1.1	+3.4	+2.5	22,090	23,260	22,101	21,192	+4.2	223,960	216,19

[p] Preliminary [r] Revised

[1] Shipments and new orders are the totals for the period and are adjusted for trading-day and calendar-month variations.

Table 2. VALUE OF MANUFACTURERS' NEW ORDERS FOR INDUSTRY GROUPS
(Millions of dollars)

Industry	Seasonally adjusted						Not seasonally adjusted[1]						
	Monthly			Percent Change			Monthly				Percent change	Year to date	
	Nov. 1992[p]	Oct. 1992[r]	Sept. 1992	Oct.-Nov.	Sept.-Oct.	Aug.-Sept.	Nov. 1992[p]	Oct. 1992[r]	Sept. 1992	Nov. 1991	Nov. 92/91	1992[p]	1991
All manufacturing industries	242,556	244,777	239,951	-0.9	+2.0	+1.3	243,761	254,719	256,610	238,726	+2.1	2,646,756	2,580,595
Manufacturing industries													
with unfilled orders	127,669	131,277	125,373	-2.7	+4.7	+0.6	128,445	134,856	134,947	127,558	+0.7	1,396,300	1,378,905
without defense capital goods	235,754	237,338	234,781	-0.7	+1.1	+1.9	235,673	246,810	250,087	232,329	+1.4	2,576,147	2,498,458
Durable goods industries	122,978	125,302	119,801	-1.9	+4.6	+0.4	123,120	130,449	128,327	120,173	+2.5	1,333,151	1,291,330
With unfilled orders	98,847	102,186	97,213	-3.3	+5.1	+0.6	99,314	104,744	105,195	98,739	+0.6	1,081,746	1,064,740
Stone, clay, and glass products	5,075	5,464	5,424	-7.1	+0.7	+1.9	5,034	5,775	5,858	4,503	+11.8	58,771	54,214
Primary metals	10,500	10,394	9,885	+1.0	+5.1	-11.3	10,634	10,537	10,108	10,617	+0.2	119,917	117,864
Blast furnaces, steel mills	4,489	4,453	4,317	+0.8	+3.2	-6.0	4,503	4,460	4,400	4,178	+7.8	50,685	49,834
Iron and steel foundries	1,052	1,023	901	+2.8	+13.5	-8.2	1,033	1,139	902	822	+25.7	10,944	9,872
Nonferrous and other primary metals	4,959	4,918	4,667	+0.8	+5.4	-16.2	5,098	4,938	4,806	5,617	-9.2	58,288	58,158
Fabricated metal products	13,512	13,723	13,860	-1.5	-1.0	+5.5	13,244	14,344	14,601	13,079	+1.3	145,747	143,516
Industrial machinery and equipment	21,656	20,657	21,222	+4.8	-2.7	+3.3	21,002	20,679	23,200	19,154	+9.6	225,922	218,118
Engines and turbines	1,527	1,521	1,932	+0.4	-21.3	+22.2	1,624	1,495	2,219	1,492	+8.8	17,079	17,939
Construction, mining and material handling equipment	2,432	2,525	2,555	-3.7	-1.2	+5.9	2,386	2,611	2,525	2,212	+7.9	25,475	26,331
Metalworking machinery	2,268	1,724	2,310	+31.6	-25.4	+20.3	2,286	1,918	2,470	2,134	+7.1	23,080	21,401
Computer and office equipment	6,078	5,554	5,764	+9.4	-3.6	-4.4	5,904	5,113	7,424	5,138	+14.9	61,216	55,236
Electronic and other electrical equipment	18,214	18,919	18,488	-3.7	+2.3	+6.6	18,633	19,025	19,873	17,432	+6.9	192,818	180,373
Electrical transmission and distribution equipment and industrial apparatus	2,348	2,482	2,148	-5.4	+15.5	-7.1	2,263	2,425	2,413	2,010	+12.6	25,270	24,882
Electric lighting and wiring equipment	1,761	1,718	1,652	+2.5	+4.0	-2.0	1,891	1,766	1,810	1,759	+7.5	18,577	18,256
Communications equipment	3,777	4,420	4,388	-14.5	+0.7	+18.3	3,749	4,060	4,869	3,304	+13.5	41,585	34,632
Electronic components	6,080	5,839	5,966	+4.1	-2.1	+9.0	6,090	5,814	5,954	5,753	+5.9	60,764	57,058
Transportation equipment	29,135	32,498	26,814	-10.3	+21.2	-5.6	30,250	35,557	29,069	33,514	-9.7	330,506	329,991
Aircraft, missiles, space vehicles, and parts	6,332	10,388	6,569	-39.0	+58.1	-10.8	6,993	10,338	8,213	12,936	-45.9	92,065	113,953
Shipbuilding and tanks	459	620	329	-26.0	+88.4	-35.5	415	564	318	346	+19.9	6,630	10,604
Instruments and related products	10,199	9,995	10,197	+2.0	-2.0	+1.5	10,477	10,147	10,963	9,650	+8.6	107,744	109,196
Search and navigation equipment	2,731	1,962	2,807	+39.2	-30.1	+33.0	3,055	2,052	3,065	2,382	+28.3	25,500	28,771
Measuring and controlling devices	2,591	2,694	2,515	-3.8	+7.1	-1.3	2,544	2,722	2,677	2,677	-5.0	28,460	28,126
Medical instruments and supplies	2,891	3,349	2,841	-13.7	+17.9	-14.3	2,831	3,305	2,990	2,614	+8.3	31,846	30,257
All other durable goods	14,687	13,652	13,911	+7.6	-1.9	+3.5	13,846	14,385	14,655	12,224	+13.3	151,726	138,058
Nondurable goods industries	119,578	119,475	120,150	+0.1	-0.6	+2.3	120,641	124,270	128,283	118,553	+1.8	1,313,605	1,289,265
With unfilled orders	28,822	29,091	28,160	-0.9	+3.3	+0.7	29,131	30,112	29,752	28,819	+1.1	314,554	314,165

[p] Preliminary. [r] Revised.

[1] Shipments and new orders are the totals for the period and are adjusted for trading-day and calendar-month variations.

(n) When new orders for a prior month are nagative beceuse of cancellations, the percentage change calculation is algebraically negative, even though there is a net dollar increase from the prior month to the currant month.

Table 3. VALUE OF MANUFACTURERS' UNFILLED ORDERS FOR INDUSTRY GROUPS
(Millions of dollars)

Industry	Seasonally adjusted						Not seasonally adjusted				
	Monthly			Percent Change			Monthly				Percen change
	Nov. 1992[p]	Oct. 1992[r]	Sept. 1992	Oct.-Nov.	Sept.-Oct.	Aug.-Sept.	Nov. 1992[p]	Oct. 1992[r]	Sept. 1992	Nov. 1991	Nov. 92/91
All manufacturing industries	471,842	476,248	475,862	-0.9	+0.1	-1.2	468,821	473,628	474,918	504,396	-7.1
Manufacturing industries without defense capital goods	344,180	347,925	347,366	-1.1	+0.2	-0.8	340,982	345,938	347,597	361,840	-5.8
Durable goods industries	448,772	453,350	453,210	-1.0	0.0	-1.2	446,352	450,798	451,723	481,821	-7.4
Stone, clay, and glass products	6,554	6,726	6,818	-2.6	-1.3	-1.6	6,450	6,682	7,009	6,288	+2.6
Primary metals	19,528	19,943	20,298	-2.1	-1.7	-4.7	18,879	19,051	19,886	21,126	-10.6
Blast furnaces, steel mills	7,417	7,605	7,749	-2.5	-1.9	-4.2	7,217	7,335	7,712	8,785	-17.8
Iron and steel foundries	2,793	2,767	2,744	+0.9	+0.8	-2.7	2,773	2,749	2,723	2,810	-1.3
Nonferrous and other primary metals	9,318	9,571	9,805	-2.6	-2.4	-5.6	8,889	8,967	9,451	9,531	-6.7
Fabricated metal products	23,348	23,346	22,949	0.0	+1.7	+1.8	22,917	23,095	23,015	24,134	-5.0
Industrial machinery and equipment	50,929	51,259	51,332	-0.6	-0.1	+0.3	50,891	51,124	51,188	53,914	-5.6
Engines and turbines	10,923	10,939	10,985	-0.1	-0.4	+2.3	11,181	11,091	11,060	10,862	+2.9
Construction, mining and material handling equipment	6,157	6,208	6,107	-0.8	+1.7	+0.9	6,052	6,109	5,991	5,995	+1.0
Metalworking machinery	7,015	7,320	7,590	-4.2	-3.6	-1.2	7,015	7,320	7,590	7,549	-7.7
Computer and office equipment	7,791	7,957	7,965	-2.1	-0.1	-0.1	7,986	8,139	8,113	10,339	-22.8
Electronic and other electrical equipment	42,750	42,679	42,296	+0.2	+0.9	+0.7	42,293	42,358	41,971	41,433	+2.[illegible]
Electrical transmission and distribution equipment and industrial apparatus	5,847	5,865	5,785	-0.3	+1.4	-3.7	5,824	5,836	5,768	6,310	-7.[illegible]
Electric lighting and wiring equipment	2,778	2,774	2,767	+0.1	+0.3	-2.5	2,778	2,774	2,767	2,892	-3.9
Communications equipment	14,383	14,597	14,477	-1.5	+0.8	+0.6	14,436	14,627	14,464	14,145	+2.[illegible]
Electronic components	15,250	14,849	14,829	+2.7	+0.1	+2.4	14,823	14,503	14,517	13,574	+9.[illegible]
Transportation equipment	244,642	249,219	249,180	-1.8	0.0	-1.9	244,783	248,641	248,318	270,348	-9.[illegible]
Aircraft, missiles, space vehicles, and parts	214,437	218,474	218,154	-1.8	+0.1	-1.6	214,623	217,955	217,234	235,220	-8.[illegible]
Shipbuilding and tanks	22,547	23,129	23,469	-2.5	-1.4	-3.2	22,554	23,174	23,579	27,684	-18.[illegible]
Instruments and related products	52,802	52,657	52,745	+0.3	-0.2	-0.7	52,709	52,520	52,542	57,823	-8.[illegible]
Search and navigation equipment	35,178	35,025	35,634	+0.4	-1.7	+0.1	35,116	34,881	35,392	39,459	-11.[illegible]
Measuring and controlling devices	8,223	8,259	8,214	-0.4	+0.5	-2.4	8,223	8,259	8,214	8,822	-6.[illegible]
Medical instruments and supplies	8,555	8,511	7,992	+0.5	+6.5	-1.8	8,555	8,511	7,992	8,654	-1.[illegible]
All other durable goods	8,219	7,521	7,592	+9.3	-0.9	-2.1	7,430	7,327	7,794	6,755	+10.[illegible]
Nondurable goods industries	23,070	22,898	22,652	+0.8	+1.1	-1.5	22,469	22,830	23,195	22,575	-0.[illegible]

[p] Preliminary. [r] Revised.

Table 4. VALUE OF MANUFACTURERS' INVENTORIES FOR INDUSTRY GROUPS
(Millions of dollars)

Industry	Seasonally adjusted						Not seasonally adjusted				
	Monthly			Percent Change			Monthly				Percent change
	Nov. 1992[P]	Oct. 1992[r]	Sept. 1992	Oct.-Nov.	Sept.-Oct.	Aug.-Sept.	Nov. 1992[P]	Oct. 1992[r]	Sept. 1992	Nov. 1991	Nov. 92/91
All manufacturing industries	381,772	383,708	384,390	-0.5	-0.2	-0.3	381,469	384,281	383,105	387,971	-1.7
anufacturing industries											
ith unfilled orders	253,508	255,272	256,394	-0.7	-0.4	-0.5	252,492	254,983	255,625	263,544	-4.2
ithout defense capital goods	351,091	352,076	352,792	-0.3	-0.2	0.0	350,559	352,161	351,265	350,763	-0.1
urable goods industries	237,735	239,390	240,550	-0.7	-0.5	-0.6	237,628	239,448	239,697	248,831	-4.5
With unfilled orders	219,454	221,083	222,211	-0.7	-0.5	-0.7	219,163	221,280	221,651	230,364	-4.9
one, clay, and glass products	7,911	7,916	7,981	-0.1	-0.8	-0.5	7,743	7,655	7,764	7,807	-0.8
imary metals	19,450	19,663	19,885	-1.1	-1.1	-0.4	19,439	19,658	19,980	20,402	-4.7
Blast furnaces, steel mills	9,592	9,668	9,697	-0.8	-0.3	-1.3	9,698	9,690	9,766	10,150	-4.5
Iron and steel foundries	1,442	1,425	1,434	+1.2	-0.6	+0.4	1,392	1,390	1,415	1,415	-1.6
Nonferrous and other primary metals	8,416	8,570	8,754	-1.8	-2.1	+0.4	8,349	8,578	8,799	8,837	-5.5
bricated metal products	22,818	22,938	23,172	-0.5	-1.0	-0.6	22,606	22,718	22,915	22,805	-0.9
dustrial machinery and equipment	45,186	45,056	45,089	+0.3	-0.1	-0.2	45,407	45,182	44,988	47,262	-3.9
Engines and turbines	3,612	3,588	3,484	+0.7	+3.0	-2.7	3,795	3,758	3,535	3,597	+5.5
Farm and garden machinery	2,423	2,347	2,344	+3.2	+0.1	+1.4	2,413	2,274	2,295	2,379	+1.4
Construction, mining and material handling equipment	5,932	5,824	5,951	+1.9	-2.1	+0.4	5,849	5,769	5,906	6,483	-9.8
Metalworking machinery	5,481	5,614	5,661	-2.4	-0.8	0.0	5,497	5,631	5,692	5,703	-3.6
Computer and office equipment	9,790	9,739	9,530	+0.5	+2.2	-0.5	9,976	9,901	9,598	10,237	-2.5
ectronic and other lectrical equipment	30,711	30,699	31,021	0.0	-1.0	-0.2	30,459	30,585	30,907	30,796	-1.1
Electrical transmission and distribution equipment and industrial apparatus	4,160	4,195	4,240	-0.8	-1.1	-2.1	4,153	4,184	4,213	4,324	-4.0
Household appliances	2,588	2,659	2,678	-2.7	-0.7	-1.4	2,505	2,576	2,560	2,623	-4.5
Electric lighting and wiring equipment	2,980	2,991	2,998	-0.4	-0.2	-0.1	2,947	2,999	2,985	2,993	-1.5
Household audio and video equipment	1,196	1,202	1,222	-0.5	-1.6	-0.7	1,131	1,210	1,266	1,110	+1.9
Communications equipment	7,378	7,253	7,321	+1.7	-0.9	-1.3	7,418	7,253	7,346	7,177	+3.4
Electronic components	8,873	8,885	8,962	-0.1	-0.9	+0.5	8,864	8,881	8,998	9,118	-2.8
ansportation equipment	68,316	69,476	69,431	-1.7	+0.1	-1.3	68,707	69,950	69,283	75,794	-9.4
Motor vehicles and parts	12,132	12,397	12,627	-2.1	-1.8	+1.2	12,370	12,477	12,655	13,319	-7.1
Aircraft, missiles, space vehicles, and parts	51,889	52,867	52,722	-1.8	+0.3	-1.3	52,107	53,323	52,524	58,149	-10.4
Shipbuilding and tanks	1,816	1,811	1,746	+0.3	+3.7	-15.1	1,774	1,796	1,794	2,019	-12.1
struments and related products	23,269	23,478	23,814	-0.9	-1.4	-0.2	23,310	23,608	23,781	24,581	-5.2
Search and navigation equipment	6,903	7,022	7,266	-1.7	-3.4	-1.6	6,902	7,083	7,265	8,222	-16.1
Measuring and controlling devices	6,529	6,608	6,687	-1.2	-1.2	+0.3	6,562	6,637	6,695	6,748	-2.8
Medical instruments and supplies	6,338	6,317	6,308	+0.3	+0.1	+0.4	6,338	6,332	6,241	6,133	+3.3
Photographic goods	2,861	2,895	2,911	-1.2	-0.5	+0.8	2,878	2,932	2,951	2,838	+1.4
l other durable goods	20,074	20,164	20,157	-0.4	0.0	-0.6	19,957	20,092	20,079	19,384	+3.0
ndurable goods industries	144,037	144,318	143,840	-0.2	+0.3	+0.2	143,841	144,833	143,408	139,140	+3.4
With unfilled orders	34,054	34,189	34,183	-0.4	0.0	+0.7	33,329	33,703	33,974	33,180	+0.4
lod and kindred products	30,582	30,836	30,595	-0.8	+0.8	-0.4	32,064	32,446	31,185	31,453	+1.9
Meat products	2,854	2,909	2,799	-1.9	+3.9	-0.4	2,922	2,898	2,751	2,860	+2.2
Dairy products	2,750	2,807	2,870	-2.0	-2.2	-1.3	2,687	2,788	2,860	2,505	+7.3
Beverages	5,695	5,716	5,721	-0.4	-0.1	0.0	5,718	5,766	5,710	5,489	+4.2
All other foods, except fats and oils	17,657	17,771	17,604	-0.6	+0.9	+0.1	18,911	19,256	18,456	18,840	+0.4
bacco products	6,797	6,815	6,701	-0.3	+1.7	-3.1	6,681	6,879	6,517	6,222	+7.4
xtile mill products	9,218	9,132	9,113	+0.9	+0.2	+0.2	8,928	8,971	9,035	8,328	+7.2
Broadwoven fabrics and other textiles	5,307	5,331	5,306	-0.5	+0.5	+0.1	5,227	5,233	5,193	5,051	+3.5
per and allied products	13,817	13,850	13,768	-0.2	+0.6	+0.2	13,563	13,466	13,445	13,316	+1.9
Pulp, paper, and paperboard mill products	5,830	5,873	5,801	-0.7	+1.2	+0.1	5,690	5,684	5,645	5,329	+6.8
Paperboard containers and boxes	3,247	3,230	3,241	+0.5	-0.3	-1.0	3,185	3,147	3,219	3,215	-0.9
Miscellaneous converted paper products	4,740	4,747	4,726	-0.1	+0.4	+1.1	4,688	4,635	4,581	4,772	-1.8
emicals and allied products	35,333	35,188	34,980	+0.4	+0.6	+0.7	35,108	34,854	34,388	33,851	+3.7
ndustrial chemicals	17,667	17,593	17,688	+0.4	-0.5	+0.9	17,384	17,291	17,445	17,239	+0.8
Drugs, soaps, and toiletries	12,965	12,931	12,705	+0.3	+1.8	+0.4	13,030	13,004	12,552	12,033	+8.3
roleum and coal products	11,309	11,584	11,859	-2.4	-2.3	-1.1	11,610	11,918	12,023	11,979	-3.1
bber and plastics products	11,471	11,388	11,317	+0.7	+0.6	+1.1	11,402	11,209	11,168	11,063	+3.1
l other nondurable goods	25,510	25,525	25,507	-0.1	+0.1	+1.3	24,485	25,090	25,647	22,928	+6.8

P Preliminary. r Revised.

Table 5. VALUE OF MANUFACTURERS' SHIPMENTS AND NEW ORDERS FOR TOPICAL SERIES[1]
(Millions of dollars)

Industry	Seasonally adjusted						Not seasonally adjusted [2]						
	Monthly			Percent Change			Monthly				Percent change	Year to date	
	Nov. 1992[p]	Oct. 1992[r]	Sept. 1992	Oct.-Nov.	Sept.-Oct.	Aug.-Sept.	Nov. 1992[p]	Oct. 1992[r]	Sept. 1992	Nov. 1991	Nov. 92/91	1992[p]	199
SHIPMENTS													
All manufacturing industries	246,962	244,391	245,838	+1.1	-0.6	+2.0	248,568	256,009	262,873	241,483	+2.9	2,680,200	2,594,87
Market categories :													
Automotive equipment	10,448	10,053	9,635	+3.9	+4.3	-2.7	10,704	11,591	9,976	9,679	+10.6	108,844	96,97
Home goods and apparel	17,272	17,215	17,075	+0.3	+0.8	+1.6	18,250	19,523	19,212	16,878	+8.1	185,786	167,94
Consumer staples	55,251	54,846	56,374	+0.7	-2.7	+4.4	56,528	56,502	60,878	55,832	+1.2	603,590	595,26
Machinery and equipment	41,841	40,339	40,448	+3.7	-0.3	+2.3	41,170	40,893	43,673	39,178	+5.1	435,752	417,82
Business supplies	18,890	19,119	18,685	-1.2	+2.3	+1.1	19,453	20,355	19,646	19,537	-0.4	208,428	211,81
Construction materials and supplies	15,527	15,470	15,736	+0.4	-1.7	+2.8	15,257	16,635	17,054	14,328	+6.5	170,097	156,32
Defense products	7,736	7,843	8,627	-1.4	-9.1	+8.0	8,078	7,767	9,101	9,036	-10.6	88,903	92,11
Other materials, supplies and and intermediate products	79,997	79,506	79,258	+0.6	+0.3	+0.4	79,128	82,743	83,333	77,015	+2.7	878,800	856,61
Durable goods industries :													
Nondefense capital goods [3]	32,840	31,754	32,033	+3.4	-0.9	+2.8	31,803	30,770	35,526	30,589	+4.0	342,808	331,89
Excluding aircraft and parts	26,573	25,993	26,467	+2.2	-1.8	+3.4	25,793	25,432	29,412	24,129	+6.9	277,888	265,59
Defense capital goods [4]	7,463	7,612	8,329	-2.0	-8.6	+7.6	7,939	7,540	8,770	9,136	-13.1	86,401	91,41
Durables excluding capital goods	87,253	85,796	84,984	+1.7	+1.0	+0.6	87,824	93,064	89,887	82,822	+6.0	937,314	883,74
Miscellaneous series :													
Producers' durable equipment	81,044	78,802	78,331	+2.8	+0.6	+1.3	81,004	83,291	84,103	77,001	+5.2	855,901	811,19
Household durable goods	7,491	7,347	7,248	+2.0	+1.4	+0.8	7,913	8,226	8,240	7,397	+7.0	79,107	73,87
Information technology industries	14,748	14,399	14,658	+2.4	-1.8	+3.7	14,552	13,678	17,182	13,597	+7.0	153,379	142,09
Health care equipment and products	7,800	7,667	8,015	+1.7	-4.3	+4.7	7,668	7,605	8,830	7,423	+3.3	85,391	81,21
NEW ORDERS													
All manufacturing industries	242,556	244,777	239,951	-0.9	+2.0	+1.3	243,761	254,719	256,610	238,726	+2.1	2,646,756	2,580,59
Market categories :													
Automotive equipment	10,478	10,019	9,621	+4.6	+4.1	-2.6	10,729	11,560	9,947	9,626	+11.5	108,812	97,19
Home goods and apparel	17,614	17,673	16,938	-0.3	+4.3	+0.2	17,705	19,343	18,911	16,140	+9.7	186,681	168,80
Consumer staples	55,237	54,888	56,386	+0.6	-2.7	+4.4	56,513	56,513	60,884	55,782	+1.3	603,643	595,27
Machinery and equipment	38,153	40,220	38,810	-5.1	+3.6	+4.9	37,416	40,667	41,888	40,481	-7.6	422,034	411,22
Business supplies	18,806	19,078	18,591	-1.4	+2.6	+0.8	19,328	20,109	19,548	19,511	-0.9	208,117	211,64
Construction materials and supplies	15,405	15,605	15,786	-1.3	-1.1	+3.3	15,065	16,463	17,092	13,994	+7.7	169,925	156,74
Defense products	7,220	7,992	5,550	-9.7	+44.0	-19.9	8,485	8,367	6,990	6,595	+28.7	74,387	83,37
Other materials, supplies and and intermediate products	79,643	79,302	78,269	+0.4	+1.3	-0.3	78,520	81,697	81,350	76,597	+2.5	873,157	856,34
Durable goods industries :													
Nondefense capital goods [3]	28,651	31,665	30,571	-9.5	+3.6	+8.6	27,726	30,608	33,951	32,254	-14.0	327,592	327,40
Excluding aircraft and parts	26,041	25,945	26,385	+0.4	-1.7	+6.5	25,373	25,311	29,217	23,435	+8.3	275,524	259,51
Defense capital goods [4]	6,802	7,439	5,170	-8.6	+43.9	-20.0	8,088	7,909	6,523	6,397	+26.4	70,609	82,13
Durables excluding capital goods	87,525	86,198	84,060	+1.5	+2.5	-0.8	87,306	91,932	87,853	81,522	+7.1	934,950	881,79
Miscellaneous series :													
Producers' durable equipment	77,729	78,803	76,463	-1.4	+3.1	+2.4	76,938	82,478	81,726	77,170	-0.3	840,490	801,32
Household durable goods	7,760	7,635	7,266	+1.6	+5.1	+1.5	7,622	8,072	7,993	6,884	+10.7	79,564	74,22
Information technology industries	14,251	13,991	14,827	+1.9	-5.6	+6.0	14,070	13,298	17,299	13,174	+6.8	150,964	139,86
Health care equipment and products	7,847	8,185	7,865	-4.1	+4.1	-3.5	7,715	8,123	8,680	7,230	+6.7	85,753	80,95

[p] Preliminary. [r] Revised.

[1] Topical series are regroupings of the separate industry categories.

[2] Shipments and new orders are the totals for the period and are adjusted for trading-day and calendar-month variations.

[3] Nondefense capital goods industries include : ordnance and accessories; steam, gas and hydraulic turbines, internal combustion engines; construction, mining, and material handling equipment metalworking machinery; special industry machinery; general industrial machinery; computer and office equipment; refrigeration, heating and service industry machinery; electrical transmission and distribution equipment; electrical industrial apparatus; communications equipment; aircraft, missiles, space vehicles, and engines and parts; ships and tank components; railroad equipment; and search and navigation equipment.

[4] Defense capital goods industries include : ordnance and accessories; communications equipment; aircraft, missiles, space vehicles, and engines and parts; ships, tanks and tank components; and search and navigation equipment.

Table 6. VALUE OF MANUFACTURERS' UNFILLED ORDERS AND TOTAL INVENTORIES FOR TOPICAL SERIES[1]
(Millions of dollars)

Industry	Seasonally adjusted						Not seasonally adjusted				
	Monthly			Percent Change			Monthly				Percent change
	Nov. 1992[p]	Oct. 1992[r]	Sept. 1992	Oct.-Nov.	Sept.-Oct.	Aug.-Sept.	Nov. 1992[p]	Oct. 1992[r]	Sept. 1992	Nov. 1991	Nov. 92/91
UNFILLED ORDERS											
All manufacturing industries	471,842	476,248	475,862	-0.9	+0.1	-1.2	468,821	473,628	474,918	504,396	-7.1
Market categories :											
Automotive equipment	1,656	1,626	1,660	+1.8	-2.0	-0.8	1,643	1,618	1,649	1,721	-4.5
Home goods and apparel	10,453	10,111	9,653	+3.4	+4.7	-1.4	9,334	9,880	10,059	8,571	+8.9
Consumer staples	1,330	1,344	1,302	-1.0	+3.2	+0.9	1,338	1,353	1,342	1,307	+2.4
Machinery and equipment	200,367	204,054	204,174	-1.8	-0.1	-0.8	200,144	203,898	204,124	216,551	-7.6
Business supplies	5,534	5,618	5,659	-1.5	-0.7	-1.7	5,447	5,572	5,817	5,746	-5.2
Construction materials and supplies	13,970	14,092	13,957	-0.9	+1.0	+0.4	13,707	13,899	14,070	13,683	+0.2
Defense products	121,308	121,824	121,675	-0.4	+0.1	-2.5	121,507	121,100	120,500	134,467	-9.6
Other materials, supplies and and intermediate products	117,224	117,579	117,782	-0.3	-0.2	-0.8	115,701	116,308	117,357	122,350	-5.4
Durable goods industries :											
Nondefense capital goods [3]	219,381	223,570	223,659	-1.9	0.0	-0.6	219,385	223,462	223,624	237,472	-7.6
Excluding aircraft and parts	72,295	72,827	72,875	-0.7	-0.1	-0.1	72,299	72,719	72,840	75,600	-4.4
Defense capital goods [4]	127,662	128,323	128,496	-0.5	-0.1	-2.4	127,839	127,690	127,321	142,556	-10.3
Durables excluding capital goods	101,729	101,457	101,055	+0.3	+0.4	-0.9	99,128	99,646	100,778	101,793	-2.6
Miscellaneous series :											
Producers' durable equipment	222,638	225,953	225,952	-1.5	0.0	-0.8	221,352	225,418	226,231	240,116	-7.8
Household durable goods	5,770	5,501	5,213	+4.9	+5.5	+0.3	4,947	5,238	5,392	4,597	+7.6
Information technology industries	31,033	31,530	31,938	-1.6	-1.3	+0.5	31,226	31,708	32,088	34,440	-9.3
Health care equipment and products	8,584	8,537	8,020	+0.6	+6.4	-1.8	8,585	8,538	8,020	8,682	-1.1
TOTAL INVENTORIES											
All manufacturing industries	381,772	383,708	384,390	-0.5	-0.2	-0.3	381,469	384,281	383,105	387,971	-1.7
Market categories :											
Automotive equipment	6,420	6,442	6,478	-0.3	-0.6	+0.7	6,483	6,394	6,421	6,720	-3.5
Home goods and apparel	29,253	29,206	29,176	+0.2	+0.1	+0.1	28,001	28,482	28,998	25,634	+9.2
Consumer staples	59,410	59,858	59,418	-0.7	+0.7	-0.3	60,690	61,561	59,803	59,097	+2.7
Machinery and equipment	88,089	87,939	88,201	+0.2	-0.3	0.0	88,312	88,041	87,667	90,459	-2.4
Business supplies	21,925	22,078	22,225	-0.7	-0.7	+0.5	21,784	22,111	22,307	22,054	-1.2
Construction materials and supplies	22,740	22,786	22,913	-0.2	-0.6	-0.4	22,507	22,591	22,628	22,333	+0.8
Defense products	28,752	29,724	29,714	-3.3	0.0	-3.4	28,881	30,147	29,864	34,720	-16.8
Other materials, supplies and and intermediate products	125,183	125,675	126,265	-0.4	-0.5	-0.1	124,811	124,954	125,417	126,954	-1.7
Durable goods industries :											
Nondefense capital goods [3]	82,831	82,774	82,936	+0.1	-0.2	-0.2	83,020	82,970	82,491	85,930	-3.4
Excluding aircraft and parts	54,130	53,897	53,922	+0.4	0.0	-1.0	54,345	54,044	53,847	56,078	-3.1
Defense capital goods [4]	30,681	31,632	31,598	-3.0	+0.1	-4.0	30,910	32,120	31,840	37,208	-16.9
Durables excluding capital goods	124,223	124,984	126,016	-0.6	-0.8	0.0	123,698	124,358	125,366	125,693	-1.6
Miscellaneous series :											
Producers' durable equipment	141,915	142,196	143,063	-0.2	-0.6	0.0	141,839	142,093	142,217	144,715	-2.0
Household durable goods	12,824	12,933	12,946	-0.8	-0.1	-0.9	12,470	12,753	12,841	12,277	+1.6
Information technology industries	27,982	27,961	27,919	+0.1	+0.2	-0.3	28,279	28,203	27,995	28,613	-1.2
Health care equipment and products	13,376	13,336	13,208	+0.3	+1.0	+0.4	13,411	13,390	13,059	12,677	+5.8

See footnotes at end of table 5.

Table 7. VALUE OF MANUFACTURERS' INVENTORIES, BY STAGE OF FABRICATION, BY INDUSTRY GROUP
(Millions of dollars)

Industry	Seasonally adjusted						Not seasonally adjusted				
	Monthly			Percent Change			Monthly				Percent change
	Nov. 1992[P]	Oct. 1992[r]	Sept. 1992	Oct.-Nov.	Sept.-Oct.	Aug.-Sept.	Nov. 1992[P]	Oct. 1992[r]	Sept. 1992	Nov. 1991	Nov. 92/91
MATERIALS AND SUPPLIES											
All manufacturing industries	118,500	119,165	120,210	-0.6	-0.9	+0.1	118,533	119,242	119,659	119,680	-1.0
Durable goods industries	66,104	66,327	67,296	-0.3	-1.4	0.0	66,180	66,468	67,495	68,256	-3.0
Stone, clay, and glass products	2,466	2,453	2,462	+0.5	-0.4	-0.2	2,451	2,433	2,443	2,440	+0.5
Primary metals	6,122	6,126	6,140	-0.1	-0.2	-0.2	6,256	6,265	6,279	6,511	-3.9
Fabricated metal products	8,028	7,995	8,126	+0.4	-1.6	-0.8	7,989	7,932	8,134	8,180	-2.2
Industrial machinery and equipment	13,613	13,609	13,645	0.0	-0.3	+1.2	13,627	13,637	13,722	13,403	+1.7
Electronic and other electrical equipment	9,068	9,005	9,087	+0.7	-0.9	-0.4	9,019	8,998	9,078	9,183	-1.8
Transportation equipment	12,238	12,433	12,970	-1.6	-4.1	-1.1	12,207	12,343	12,891	14,246	-14.2
Instruments and related products	7,063	7,120	7,152	-0.8	-0.4	+0.9	6,984	7,062	7,144	6,701	+4.2
Lumber, furniture and miscellaneous durable goods	7,506	7,586	7,714	-1.1	-1.7	+0.3	7,647	7,798	7,804	7,592	+0.7
Nondurable goods industries	52,396	52,838	52,914	-0.8	-0.1	+0.3	52,353	52,774	52,164	51,424	+1.8
Food and kindred products	10,051	10,231	10,157	-1.8	+0.7	+0.1	10,435	10,432	9,698	9,892	+5.4
Tobacco products	5,182	5,256	5,405	-1.4	-2.8	+2.0	5,139	5,167	5,270	4,841	+6.2
Textile mill products	2,748	2,759	2,801	-0.4	-1.5	+0.7	2,627	2,662	2,743	2,459	+6.8
Paper and allied products	6,868	6,909	6,847	-0.6	+0.9	-0.6	6,792	6,822	6,784	6,755	+0.5
Chemicals and allied products	11,894	11,890	11,797	0.0	+0.8	+0.3	11,831	11,926	11,717	11,558	+2.4
Petroleum and coal products	2,829	2,951	3,036	-4.1	-2.8	-3.6	2,835	3,004	3,026	3,237	-12.4
Rubber and plastics products	4,323	4,368	4,402	-1.0	-0.8	+0.8	4,380	4,390	4,426	4,308	+1.7
Apparel, printing and publishing and leather goods	8,501	8,474	8,469	+0.3	+0.1	+1.0	8,314	8,371	8,500	8,374	-0.7
WORK IN PROCESS											
All manufacturing industries	132,837	134,092	133,727	-0.9	+0.3	-0.7	133,251	135,281	134,243	141,240	-5.
Durable goods industries	109,939	111,129	110,652	-1.1	+0.4	-1.0	110,216	111,829	111,024	118,992	-7.
Stone, clay, and glass products	1,112	1,126	1,141	-1.2	-1.3	+0.6	1,063	1,081	1,113	1,082	-1.
Primary metals	7,242	7,265	7,366	-0.3	-1.4	-1.5	7,140	7,218	7,401	7,630	-6.
Fabricated metal products	7,257	7,413	7,455	-2.1	-0.6	-0.7	7,301	7,436	7,448	7,510	-2.
Industrial machinery and equipment	18,235	18,438	18,352	-1.1	+0.5	-0.1	18,508	18,678	18,585	20,249	-8.
Electronic and other electrical equipment	13,498	13,365	13,279	+1.0	+0.6	+0.4	13,412	13,340	13,321	13,112	+2.
Transportation equipment	47,837	48,602	47,926	-1.6	+1.4	-1.7	48,001	49,025	48,020	52,918	-9.
Instruments and related products	10,551	10,726	10,979	-1.6	-2.3	-1.2	10,633	10,886	11,000	12,412	-14.
Lumber, furniture and miscellaneous durable goods	4,207	4,194	4,154	+0.3	+1.0	-0.6	4,158	4,165	4,136	4,079	+1.
Nondurable goods industries	22,898	22,963	23,075	-0.3	-0.5	+0.5	23,035	23,452	23,219	22,248	+3.
Food and kindred products	3,637	3,674	3,617	-1.0	+1.6	+1.7	3,853	3,973	3,627	3,770	+2.
Tobacco products	81	66	66	+22.7	0.0	+24.5	114	101	79	127	-10.
Textile mill products	2,444	2,431	2,434	+0.5	-0.1	-1.5	2,407	2,438	2,464	2,408	0.
Paper and allied products	1,111	1,097	1,108	+1.3	-1.0	+0.1	1,090	1,061	1,082	1,167	-6.
Chemicals and allied products	5,649	5,626	5,563	+0.4	+1.1	+1.3	5,636	5,643	5,559	5,286	+6.
Petroleum and coal products	2,953	3,005	3,159	-1.7	-4.9	+2.8	3,000	3,136	3,187	2,941	+2.
Rubber and plastics products	1,508	1,489	1,454	+1.3	+2.4	-1.2	1,545	1,513	1,459	1,598	-3.
Apparel, printing and publishing and leather goods	5,515	5,575	5,674	-1.1	-1.7	-1.0	5,390	5,587	5,762	4,951	+8.
FINISHED GOODS											
All manufacturing industries	130,435	130,451	130,453	0.0	0.0	-0.3	129,685	129,758	129,203	127,051	+2.
Durable goods industries	61,692	61,934	62,602	-0.4	-1.1	-0.6	61,232	61,151	61,178	61,583	-0.
Stone, clay, and glass products	4,333	4,337	4,378	-0.1	-0.9	-1.0	4,229	4,141	4,208	4,285	-1.
Primary metals	6,086	6,272	6,379	-3.0	-1.7	+0.5	6,043	6,175	6,300	6,261	-3.
Fabricated metal products	7,533	7,530	7,591	0.0	-0.8	-0.3	7,316	7,350	7,333	7,115	+2.
Industrial machinery and equipment	13,338	13,009	13,092	+2.5	-0.6	-1.6	13,272	12,867	12,681	13,610	-2.
Electronic and other electrical equipment	8,145	8,329	8,655	-2.2	-3.8	-1.1	8,028	8,247	8,508	8,501	-5.
Transportation equipment	8,241	8,441	8,535	-2.4	-1.1	+0.6	8,499	8,582	8,372	8,630	-1.
Instruments and related products	5,655	5,632	5,683	+0.4	-0.9	+0.3	5,693	5,660	5,637	5,468	+4.
Lumber, furniture and miscellaneous durable goods	8,361	8,384	8,289	-0.3	+1.1	-1.4	8,152	8,129	8,139	7,713	+5.
Nondurable goods industries	68,743	68,517	67,851	+0.3	+1.0	0.0	68,453	68,607	68,025	65,468	+4.
Food and kindred products	16,894	16,931	16,821	-0.2	+0.7	-1.1	17,776	18,041	17,860	17,791	-0.
Tobacco products	1,534	1,493	1,230	+2.7	+21.4	-21.2	1,428	1,611	1,168	1,254	+13.
Textile mill products	4,026	3,942	3,878	+2.1	+1.7	+0.9	3,894	3,871	3,828	3,461	+12.
Paper and allied products	5,838	5,844	5,813	-0.1	+0.5	+1.1	5,681	5,583	5,579	5,394	+5.
Chemicals and allied products	17,790	17,672	17,620	+0.7	+0.3	+0.8	17,641	17,285	17,112	17,007	+3.
Petroleum and coal products	5,527	5,628	5,664	-1.8	-0.6	-1.7	5,775	5,778	5,810	5,801	-0.
Rubber and plastics products	5,640	5,531	5,461	+2.0	+1.3	+1.9	5,477	5,306	5,283	5,157	+6.
Apparel, printing and publishing and leather goods	11,494	11,476	11,364	+0.2	+1.0	+2.7	10,781	11,132	11,385	9,603	+12.

[P] Preliminary. [r] Revised.

Table 8. RATIOS OF MANUFACTURES' INVENTORIES TO SHIPMENTS AND UNFILLED ORDERS TO SHIPMENTS, BY INDUSTRY GROUP
(Based on seasonally adjusted data)

Industry	Inventory / Shipments ratio				Unfilled Orders / Shipments ratio[1]			
	Nov. 1992[p]	Oct. 1992[r]	Sept. 1992	Aug. 1992	Nov. 1992[p]	Oct. 1992[r]	Sept. 1992	Aug. 1992
All manufacturing industries	1.55	1.57	1.56	1.60	3.57	3.64	3.63	3.74
)urable goods industries	1.86	1.91	1.92	1.96	4.34	4.44	4.41	4.56
Stone, clay, and glass products	1.51	1.42	1.44	1.48	1.36	1.31	1.33	1.38
Primary metals	1.78	1.83	1.83	1.83	1.79	1.86	1.87	1.95
Fabricated metal products	1.69	1.72	1.72	1.74	1.92	1.94	1.89	1.85
Industrial machinery and equipment	2.06	2.17	2.14	2.16	2.46	2.60	2.55	2.56
Electronic and other electrical equipment	1.69	1.66	1.70	1.80	2.36	2.30	2.32	2.43
Transportation equipment	2.03	2.14	2.20	2.22	12.59	13.30	13.49	14.06
Instruments and related products	2.31	2.33	2.25	2.36	5.25	5.22	4.99	5.25
Nondurable goods industries	1.21	1.21	1.19	1.22	0.81	0.79	0.79	0.82
Food and kindred products	0.91	0.93	0.91	0.94	(X)	(X)	(X)	(X)
Tobacco products	2.79	2.83	1.92	3.38	(X)	(X)	(X)	(X)
Textile mill products	1.56	1.54	1.48	1.49	(NA)	(NA)	(NA)	(NA)
Paper and allied products	1.34	1.34	1.32	1.31	(NA)	(NA)	(NA)	(NA)
Chemicals and allied products	1.44	1.44	1.41	1.41	(X)	(X)	(X)	(X)
Petroleum and coal products	0.86	0.88	0.92	0.91	(X)	(X)	(X)	(X)
Rubber and plastics products	1.30	1.30	1.29	1.27	(X)	(X)	(X)	(X)

[p] Preliminary. [r] Revised. (X) Not applicable. (NA) Not available.

[1] Excludes the following industries with no unfilled orders : Wood end lumber products; glass containers; metal cans, barrels and drums; farm and garden machinery; motor vehicle assembly operations; other transportation equipment; foods and related products; tobacco; knitting mill products; apparel and related products; chemicals; petroleum and coal products; and rubber and plastics products.

Table 9. REVISIONS TO PREVIOUSLY PUBLISHED MONTHLY PERCENT CHANGES
(Based on seasonally adjusted data)

Industry	Shipments			New orders			Unfilled orders			Inventories		
	Nov.[1] 1992	Nov.[2] 1987-1991	Nov. 1991-Oct. 1992	Nov.[1] 1992	Nov.[2] 1987-1991	Nov. 1991-Oct. 1992	Nov.[1] 1992	Nov.[2] 1987-1991	Nov. 1991-Oct. 1992	Nov.[1] 1992	Nov.[2] 1987-1991	Nov. 1991-Oct. 1992
All manufacturing industries	(X)	0.2	0.1	(X)	0.5	0.3	(X)	0.2	0.1	(X)	0.1	0.1
)urable goods industries	0.0	0.3	0.2	0.0	0.8	0.5	0.0	0.2	0.1	(X)	0.1	0.1
Stone, clay, and glass products	(X)	0.4	0.6	(X)	0.6	1.4	(X)	0.3	0.6	(X)	0.1	0.2
Primary metals	-0.1	0.4	0.2	0.1	1.2	0.7	0.1	0.5	0.3	(X)	0.4	0.1
Fabricated metal products	(X)	0.6	0.4	(X)	0.5	0.6	(X)	0.2	0.3	(X)	0.2	0.2
Industrial machinery and equipment	0.4	0.7	0.3	0.2	1.0	0.5	0.0	0.2	0.1	(X)	0.2	0.1
Electronic and other electrical equipment	-0.4	0.9	0.4	-0.2	1.4	0.6	0.1	0.3	0.1	(X)	0.4	0.1
Transportation equipment	0.0	0.1	0.5	-0.1	1.9	1.5	0.0	0.2	0.1	(X)	0.1	0.2
Instruments and related products	(X)	0.7	0.7	(X)	1.4	0.5	(X)	0.3	0.1	(X)	0.4	0.1
Nondurable goods industries	(X)	0.3	0.1	(X)	0.3	0.1	(X)	0.4	0.4	(X)	0.1	0.2
Food and kindred products	(X)	0.4	0.3	(X)	(X)	(X)	(X)	(X)	(X)	(X)	0.2	0.3
Tobacco products	(X)	0.0	2.5	(X)	(X)	(X)	(X)	(X)	(X)	(X)	0.0	0.1
Textile mill products	(X)	1.4	0.5	(X)	(NA)	(NA)	(X)	(NA)	(NA)	(X)	0.4	0.3
Paper and allied products	(X)	0.3	0.2	(X)	(NA)	(NA)	(X)	(NA)	(NA)	(X)	0.2	0.4
Chemicals and allied products	(X)	0.2	0.2	(X)	(X)	(X)	(X)	(X)	(X)	(X)	0.1	0.2
Petroleum and coal products	(X)	0.4	0.2	(X)	(X)	(X)	(X)	(X)	(X)	(X)	0.2	0.3
Rubber and plastics products	(X)	0.6	0.3	(X)	(X)	(X)	(X)	(X)	(X)	(X)	0.2	0.2
apital goods industries :												
Nondefense	0.2	0.9	0.5	0.2	1.5	1.0	0.0	0.3	0.1	(X)	0.1	0.1
Defense	-0.5	1.4	1.0	-1.8	3.8	5.3	-0.1	0.1	0.2	(X)	0.4	0.4

(X) Not applicable. (NA) Not available.

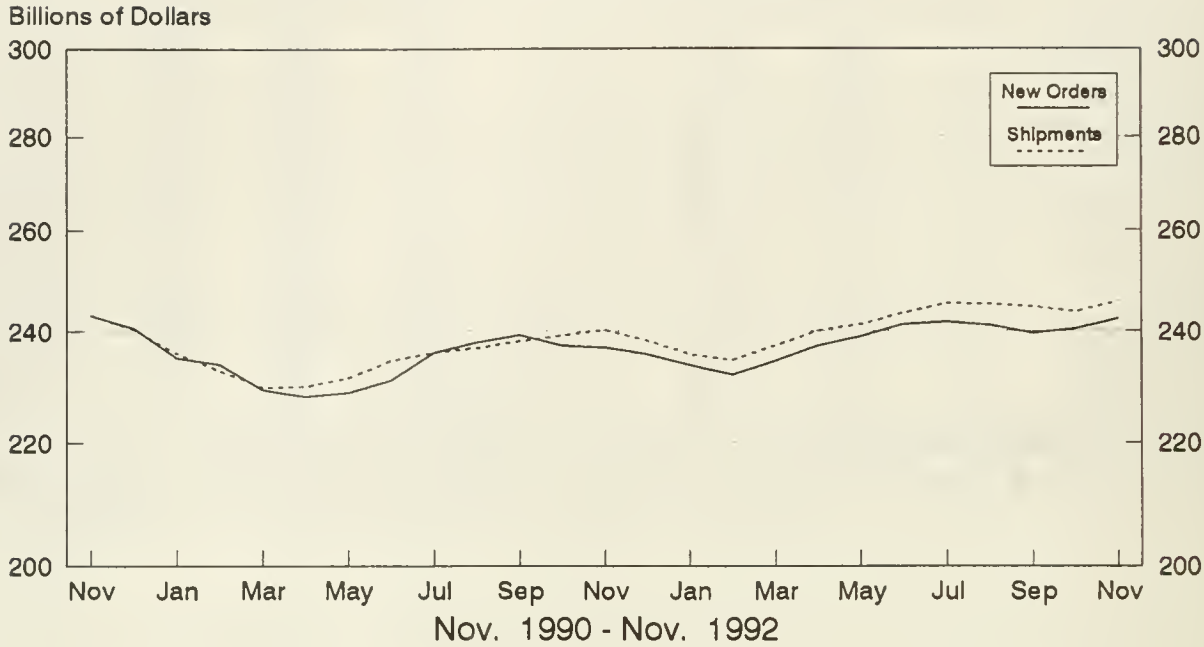
Note : The five year and the twelve month revisions are the differences between the month-to-month percent changes of the preliminary and final estimates. The monthly averages are the simple averages of the absolute values of the differences for the months specified. The advance to final percent change revisions for the durable goods industries are shown in the advance report for the month.

[1] The current month revisions are the difference between the advance precent change end the percent change as shown in this publication.

[2] Average for this month for the last five years.

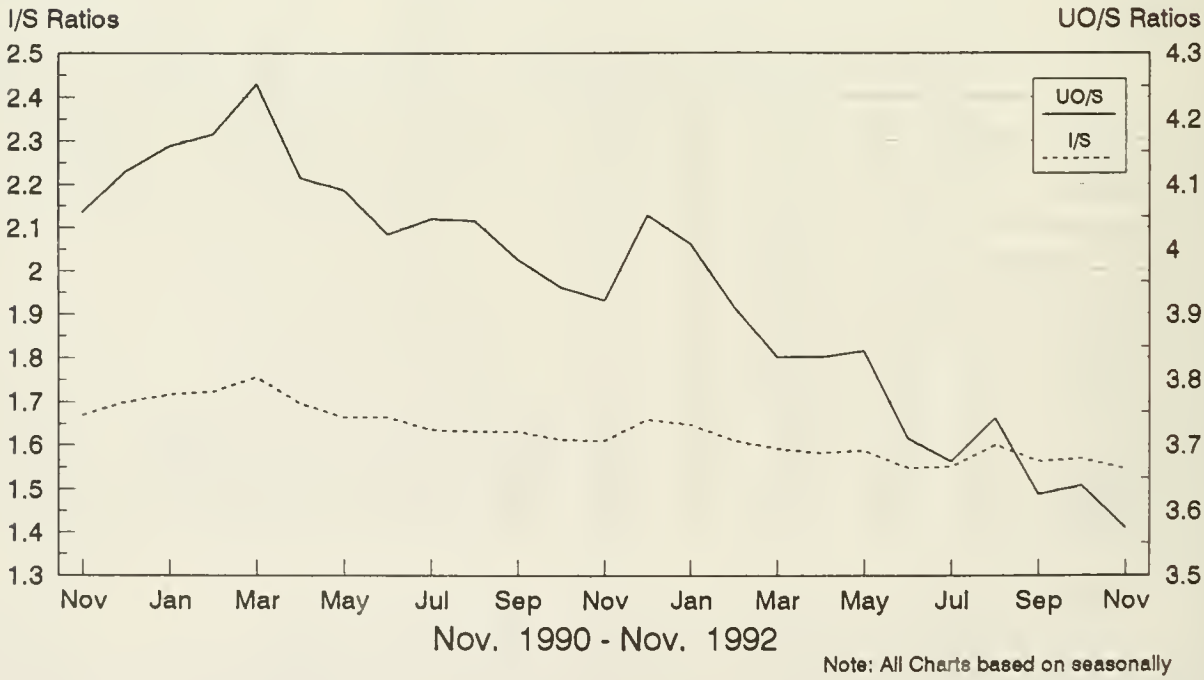
Total Manufacturing

New Orders and Shipments
Three Month Moving Averages



Total Manufacturing

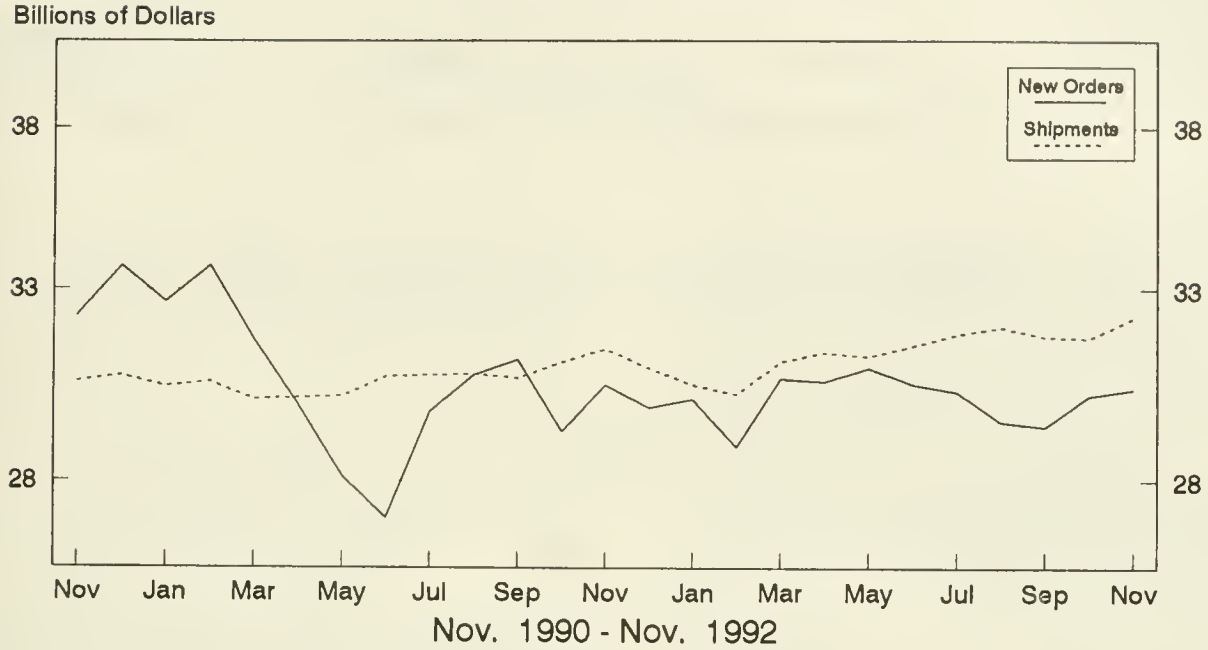
Ratio of Unfilled Orders and
Inventories to Shipments



Note: All Charts based on seasonally adjusted current dollars.

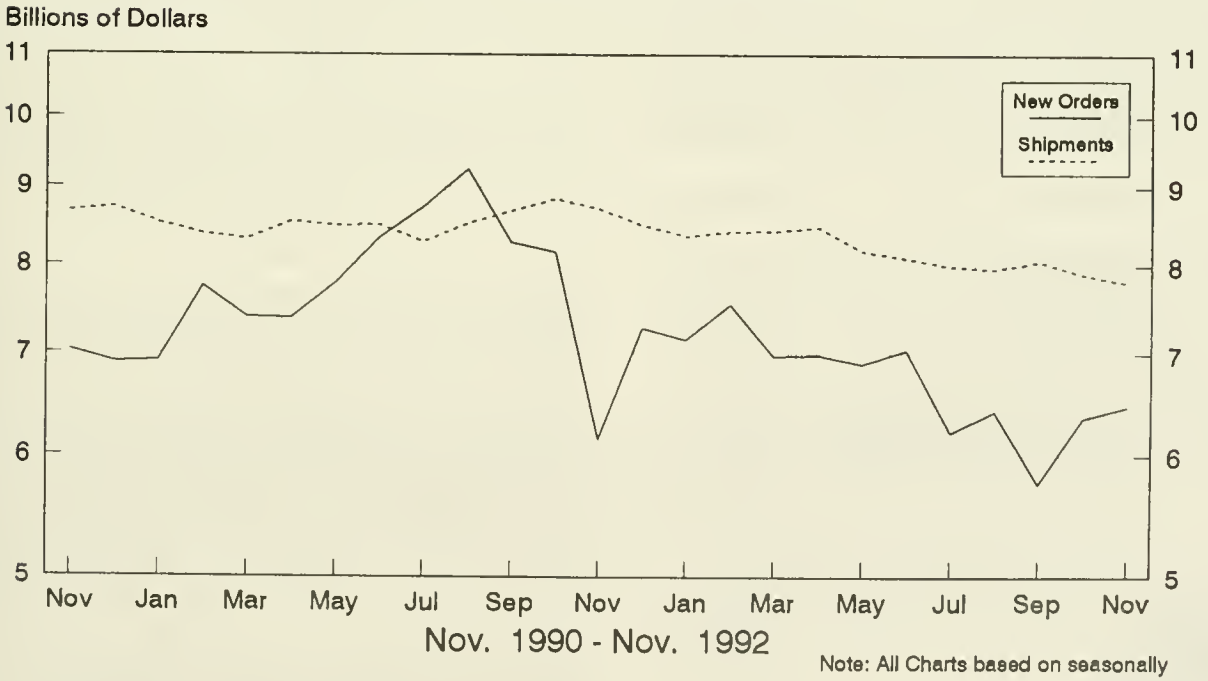
Nondefense Capital Goods

New Orders and Shipments
Three Month Moving Averages



Defense Capital Goods

New Orders and Shipments
Three Month Moving Averages



Note: All Charts based on seasonally adjusted current dollars.

U.S. Department of Commerce
BUREAU OF THE CENSUS
Washington, D.C. 20233

Official Business
Penalty for Private Use, $300

POSTAGE AND FEES PAID
U.S. DEPARTMENT OF COMMERCE
COM-20

First Class Ma

PUBLICATION DATES FOR THE 1993 MONTHLY M3 SURVEY
MANUFACTURERS' SHIPMENTS, INVENTORIES, AND ORDERS

Report Covering	Advance Report Release Dates (8:30 a.m. release time)	Regular Report Release Dates (10:00 a.m. release time)
December 1992	Fri., Jan. 29	Thurs., Feb. 4
January 1993	Wed., Feb. 24	Thurs., Mar. 4
February 1993	Wed., Mar. 24	Wed., Mar. 31
March 1993	Fri., Apr. 23	Fri., Apr. 30
April 1993	Wed., May 26	Fri., June 4
May 1993	Wed., June 23	Wed., June 30
June 1993	Wed., July 28	Thurs., Aug. 5
July 1993	Wed., Aug. 25	Thur., Sept. 2
August 1993	Fri., Sept. 24	Fri., Oct. 1
September 1993	Wed., Oct. 27	Thur., Nov. 4
October 1993	Wed., Nov. 24	Fri., Dec. 3
November 1993	Thur., Dec. 23	

The Manufacturers' Shipments, Inventories, and Orders press release can be faxed to you on the day of issue at a cost of $120 per year. The fee is to cover the subscription service, wire transmission, and administrative costs. If you wish to subscribe to this service, or would like more information, please call Sandy Sollinger at (301) 763-2604.

3. 158: M 3-1-(92)-12
rent Industrial Reports, Manufac...
JUN 10 1993
BOSTON PUBLIC LIBRARY

Manufacturers' Shipments, Inventories, and Orders

December 1992

M3-1-(92)-12
For Wire Transmissions 10:00 a.m. E.S.T. February 4, 1993

U. S. Department of Commerce
BUREAU OF THE CENSUS

Steve Andrews or Kathy Menth
(301)763-2502 or (301)763-2575

Note: All figures in text are in seasonally adjusted current dollars

Summary

New orders for manufactured goods in December increased $12.8 billion or 5.3 percent to $256.2 billion, the largest increase since July 1991, the Department of Commerce, Bureau of the Census reported today. This follows a 0.6 percent decrease in November and 2.0 percent increase in October. Excluding defense, new orders were up $11.7 billion. New orders without transportation equipment increased $6.6 billion.

Shipments increased $6.9 billion or 2.8 percent to $255.1 billion, following a 1.5 percent November increase and a 0.6 percent October decrease. Excluding defense, shipments increased $6.7 billion. Without transportation equipment, shipments were up $5.3 billion.

Unfilled orders increased $1.2 billion or 0.2 percent to $472.7 billion, the second increase in the last three months, following thirteen monthly declines. Excluding defense, unfilled orders increased $1.1 billion; without transportation equipment, unfilled orders increased $1.5 billion.

Inventories decreased $2.2 billion or 0.6 percent to $379.1 billion, following a 0.6 percent decrease in November. This is the fourth consecutive decrease. Excluding defense, inventories decreased $2.5 billion. Without transportation equipment, inventories were down $1.3 billion. The inventories-to-shipments ratio decreased from 1.54 in November to 1.49 in December, the lowest on record.

For the year, new orders totaled $2,891.0 billion, up 3.0 percent from 1991. Shipments were $2,924.0 billion, up 3.6 percent from 1991. At the end of 1992, unfilled orders declined 6.5 percent and inventories were down 1.8 percent from the year-end levels of 1991 .

New Orders

New orders for durable goods in December increased $10.7 billion or 8.7 percent to $134.0 billion, the largest increase since July 1991. This follows a 1.6 percent decrease in November and a 4.6 percent increase in October. All major groups except furniture and fixtures and stone, clay, and glass products had increases. Transportation equipment had the largest increase, up $6.2 billion or 21.3 percent to $35.3 billion, with over half of the increase in aircraft and parts. Electronic and other electrical equipment was up $1.1 billion. Primary metals and fabricated metal products each increased $0.9 billion. Instruments and related products increased $0.8 billion, and industrial machinery and equipment was up $0.7 billion.

New orders for nondurable goods increased $2.1 billion or 1.8 percent to $122.3 billion, following a 0.6 percent increase in November. The largest increase was in chemicals and related products.

Shipments

Shipments of durable goods in December increased $4.6 billion or 3.6 percent to $132.7 billion, following a 2.4 percent increase in November. All major groups increased. Transportation equipment had the largest increase, up $1.6 billion or 4.6 percent to $35.6 billion, primarily due to motor vehicles and parts. Electronic and other electrical equipment increased $1.0 billion or 5.5 percent to $19.2 billion, and industrial machinery and equipment was up $0.7 billion or 3.3 percent to $22.5 billion.

Shipments of nondurable goods were up $2.3 billion or 1.9 percent to $122.4 billion, following a 0.7 percent increase in November. The largest increase was in chemicals and allied products, up $0.7 billion or 3.0 percent to $25.3 billion.

Unfilled Orders

Unfilled orders for durable goods in December increased $1.3 billion or 0.3 percent to $449.8 billion. This is the second increase in the last three months. The largest increase was in instruments and related products, up $0.9 billion or 1.7 percent to $53.7 billion, due to search and navigation equipment and measuring and controlling devices. Primary metals was up $0.7 billion and fabricated metal products increased $0.4 billion. Transportation equipment, down $0.3 billion or 0.1 percent to $244.0 billion, has declined in fourteen of the last sixteen months and is at the lowest level since September 1989. Industrial machinery and equipment decreased $0.3 billion or 0.6 percent to $50.7 billion, the lowest level since July 1987. Unfilled orders for nondurable goods decreased $0.1 billion to $22.9 billion.

Inventories

Inventories for durable goods in December decreased $2.1 billion or 0.9 percent to $235.4 billion, the lowest level since October 1988. This is the fourteenth decline in the last fifteen months. The largest decrease was in transportation equipment down $0.9 billion or 1.4 percent to $67.2 billion, due to motor vehicles and parts and aircraft and parts. Transportation equipment has declined in eleven of the last thirteen months and is at the lowest level since May 1989. Nondurable goods declined $0.1 billion or 0.1 percent to $143.6 billion following a 0.4 percent decline in November.

By stage of fabrication, finished goods decreased 1.9 percent in durables and 0.5 percent in nondurables. Work in process was down 0.6 percent in durables and up 0.9 percent in nondurables. Materials and supplies decreased 0.5 percent in durables and increased 0.2 percent in nondurables.

(SEE BACK PAGE FOR 1993 RELEASE DATES)

The advance report on durable goods for January is scheduled for February 24, 1993 at 8:30 a.m. and the full report on March 4, 1993 at 10:00 a.m. For sale by the Superintendent of Documents, U.S. Government Printing Office, Washington, DC 20402. This report is also available the day of issue through the Department of Commerce's online Economic Bulletin Board (N-8-1) (202-482-3870) and through the Census Bureau's online information service-CENDATA. CENDATA is available from Dialog Information Services, Inc. (1-800-334-2464) and CompuServe (1-800-848-8199). The CENDATA staff at the Bureau of the Census (301-763-2074) can provide content information and general guidance.

Table 1. VALUE OF MANUFACTURERS' SHIPMENTS FOR INDUSTRY GROUPS
(Millions of dollars)

Industry	Seasonally adjusted						Not seasonally adjusted[1]						
	Monthly			Percent Change			Monthly				Percent change	Year to date	
	Dec. 1992[p]	Nov. 1992[r]	Oct. 1992	Nov.-Dec.	Oct.-Nov.	Sept.-Oct.	Dec. 1992[p]	Nov. 1992[r]	Oct. 1992	Dec. 1991	Dec. 92/91	1992[p]	1991
All manufacturing industries	255,083	248,160	244,391	+2.8	+1.5	-0.6	248,843	248,832	256,009	226,829	+9.7	2,929,307	2,821,699
Manufacturing Industries													
with unfilled orders	136,403	132,726	130,891	+2.8	+1.4	-0.3	138,394	133,460	136,146	126,187	+9.7	1,568,346	1,519,367
without defense capital goods	247,221	240,502	236,779	+2.8	+1.6	-0.3	238,759	240,672	248,469	216,383	+10.3	2,832,601	2,719,835
Durable goods industries	132,692	128,105	125,162	+3.6	+2.4	-0.1	131,659	127,641	131,374	115,517	+14.0	1,498,257	1,422,578
With unfilled orders	107,185	103,981	102,046	+3.1	+1.9	-0.7	110,177	103,985	105,669	98,716	+11.6	1,225,520	1,179,187
Stone, clay, and glass products	5,359	5,350	5,556	+0.2	-3.7	+0.4	4,525	5,347	6,102	4,012	+12.8	63,179	57,103
Primary metals	10,998	10,952	10,749	+0.4	+1.9	-1.2	9,890	10,816	11,372	9,548	+3.6	132,283	129,969
Blast furnaces, steel mills	4,658	4,682	4,597	-0.5	+1.8	-1.3	4,169	4,626	4,837	4,117	+1.3	56,189	54,876
Iron and steel foundries	1,079	1,034	1,000	+4.4	+3.4	+2.4	886	1,010	1,113	692	+28.0	11,958	10,952
Nonferrous and other primary metals	5,261	5,236	5,152	+0.5	+1.6	-1.8	4,835	5,180	5,422	4,739	+2.0	64,136	64,141
Fabricated metal products	14,085	13,599	13,326	+3.6	+2.0	-1.0	13,216	13,386	14,264	12,118	+9.1	160,258	156,877
Industrial machinery and equipment	22,519	21,790	20,730	+3.3	+5.1	-1.6	25,032	20,980	20,743	21,713	+15.3	252,879	242,835
Engines and turbines	1,641	1,553	1,567	+5.7	-0.9	-6.9	2,392	1,534	1,464	2,194	+9.0	18,834	18,451
Farm and garden machinery	1,013	1,071	1,038	-5.4	+3.2	+8.8	948	932	1,099	1,036	-8.5	13,220	13,777
Construction, mining and material handling equipment	2,534	2,390	2,424	+6.0	-1.4	-3.1	2,395	2,310	2,493	2,118	+13.1	27,850	29,960
Metalworking machinery	2,551	2,561	1,994	-0.4	+28.4	-17.1	2,747	2,585	2,188	2,130	+29.0	26,723	23,773
Computer and office equipment	6,147	6,241	5,562	-1.5	+12.2	-3.6	8,637	6,065	5,087	7,247	+19.2	71,090	62,618
Electronic and other electrical equipment	19,193	18,194	18,536	+5.5	-1.8	+1.9	19,941	18,704	18,638	17,666	+12.9	212,097	199,544
Electrical transmission and distribution equipment and industrial apparatus	2,445	2,376	2,402	+2.9	-1.1	+1.3	2,413	2,275	2,357	2,295	+5.1	28,136	27,33
Household appliances	1,726	1,698	1,624	+1.6	+4.6	-0.1	1,626	1,604	1,628	1,428	+13.9	18,902	18,26
Electric lighting and wiring equipment	1,800	1,771	1,711	+1.6	+3.5	-0.7	1,912	1,890	1,759	1,757	+8.8	20,693	19,70
Household audio and video equipment	1,040	1,059	1,059	-1.8	0.0	+13.4	996	1,330	1,320	886	+12.4	12,276	10,77
Communications equipment	4,388	3,961	4,300	+10.8	-7.9	0.0	5,352	3,956	3,897	4,397	+21.7	46,902	41,24
Electronic components	5,992	5,705	5,819	+5.0	-2.0	+3.5	5,770	5,761	5,828	5,089	+13.4	65,472	62,04
Transportation equipment	35,609	34,028	32,459	+4.6	+4.8	+2.8	34,872	34,288	35,234	28,237	+23.5	390,368	363,21
Motor vehicles and parts	22,548	21,264	20,129	+6.0	+5.6	+5.9	18,871	21,606	23,281	13,583	+38.9	236,260	206,37
Aircraft, missiles, space vehicles, and parts	10,557	10,446	10,068	+1.1	+3.8	-0.1	13,430	10,500	9,617	12,469	+7.7	126,061	129,69
Shipbuilding and tanks	1,114	1,053	960	+5.8	+9.7	-13.4	1,415	1,036	969	1,128	+25.4	12,972	13,40
Instruments and related products	10,304	10,133	10,083	+1.7	+0.5	-4.6	11,226	10,341	10,169	11,118	+1.0	123,254	123,94
Search and navigation equipment	2,533	2,615	2,571	-3.1	+1.7	-7.5	3,194	2,867	2,563	3,374	-5.3	32,579	35,35
Measuring and controlling devices	2,699	2,640	2,649	+2.2	-0.3	-2.4	2,723	2,589	2,677	2,655	+2.6	31,785	30,85
Medical instruments and supplies	3,003	2,860	2,830	+5.0	+1.1	-5.4	3,102	2,784	2,786	2,936	+5.7	34,584	33,45
Photographic goods	1,721	1,671	1,686	+3.0	-0.9	-1.9	1,881	1,759	1,786	1,810	+3.9	20,135	20,32
All other durable goods	14,625	14,059	13,723	+4.0	+2.4	-2.5	12,957	13,779	14,852	11,105	+16.7	163,939	149,08
Nondurable goods industries	122,391	120,055	119,229	+1.9	+0.7	-1.0	117,184	121,191	124,635	111,312	+5.3	1,431,050	1,399,12
With unfilled orders	29,218	28,745	28,845	+1.6	-0.3	+1.2	28,217	29,475	30,477	27,471	+2.7	342,826	340,18
Food and kindred products	33,490	33,448	33,188	+0.1	+0.8	-1.1	32,879	33,635	34,367	31,791	+3.4	394,342	387,05
Meat products	7,462	7,593	7,508	-1.7	+1.1	-2.1	7,350	7,470	7,794	6,993	+5.1	89,224	89,37
Dairy products	4,315	4,357	4,360	-1.0	-0.1	-1.2	4,151	4,410	4,342	4,088	+1.5	51,848	49,39
Beverages	4,808	4,717	4,660	+1.9	+1.2	-1.5	4,428	4,472	4,530	4,205	+5.3	56,021	53,60
All other foods, except fats and oils	15,040	15,023	14,853	+0.1	+1.1	-0.6	15,085	15,525	15,894	14,742	+2.3	176,390	174,85
Tobacco products	3,135	2,711	2,406	+15.6	+12.7	-31.1	3,853	3,137	2,251	3,025	+27.4	33,264	32,27
Textile mill products	6,063	5,924	5,927	+2.3	-0.1	-3.5	5,510	6,137	6,422	5,332	+3.3	72,515	67,75
Broadwoven fabrics and other textiles	3,696	3,665	3,667	+0.8	-0.1	-4.7	3,474	3,714	3,904	3,513	-1.1	45,635	42,85
Paper and allied products	10,706	10,486	10,333	+2.1	+1.5	-1.2	10,287	10,295	10,538	9,948	+3.4	125,569	124,36
Pulp, paper, and paperboard mill products	4,426	4,548	4,334	-2.7	+4.9	-1.5	4,351	4,493	4,337	4,282	+1.6	53,266	53,53
Paperboard containers and boxes	2,521	2,518	2,503	+0.1	+0.6	-1.9	2,357	2,464	2,638	2,277	+3.5	30,117	28,74
Miscellaneous converted paper products	3,759	3,420	3,496	+9.9	-2.2	-0.2	3,579	3,338	3,563	3,389	+5.6	42,186	42,08
Chemicals and allied products	25,325	24,585	24,444	+3.0	+0.6	-1.7	24,060	23,826	24,328	22,598	+6.5	296,809	289,03
Industrial chemicals	12,937	12,924	12,923	+0.1	0.0	-0.7	12,109	12,658	13,128	11,547	+4.9	154,328	152,36
Drugs, soaps, and toiletries	9,778	9,185	8,906	+6.5	+3.1	-3.8	9,690	9,043	8,859	8,669	+11.8	108,970	101,91
Petroleum and coal products	13,108	13,216	13,149	-0.8	+0.5	+1.9	12,807	13,648	14,256	12,425	+3.1	157,996	160,39
Rubber and plastics products	8,851	8,872	8,778	-0.2	+1.1	+0.2	7,869	8,428	9,213	7,745	+1.6	106,681	103,60
All other nondurable goods	21,713	20,813	21,004	+4.3	-0.9	+3.4	19,919	22,085	23,260	18,448	+8.0	243,874	234,64

[p] Preliminary [r] Revised.

[1] Shipments and new orders are the totals for the period and are adjusted for trading-day and calendar-month variations.

Table 2. VALUE OF MANUFACTURERS' NEW ORDERS FOR INDUSTRY GROUPS
(Millions of dollars)

Industry	Seasonally adjusted						Not seasonally adjusted[1]						
	Monthly			Percent Change			Monthly				Percent change	Year to date	
	Dec. 1992[p]	Nov. 1992[r]	Oct. 1992	Nov.-Dec.	Oct.-Nov.	Sept.-Oct.	Dec. 1992[p]	Nov. 1992[r]	Oct. 1992	Dec. 1991	Dec. 92/91	1992[p]	1991
All manufacturing industries	256,235	243,426	244,777	+5.3	-0.6	+2.0	250,571	243,504	254,719	224,698	+11.5	2,897,070	2,805,293
Manufacturing industries													
with unfilled orders	137,555	127,992	131,277	+7.5	-2.5	+4.7	140,122	128,132	134,856	124,056	+13.0	1,536,109	1,502,961
without defense capital goods	248,327	236,667	237,338	+4.9	-0.3	+1.1	239,645	235,444	246,810	213,177	+12.4	2,815,563	2,711,635
Durable goods industries	133,951	123,271	125,302	+8.7	-1.6	+4.6	133,647	122,785	130,449	113,420	+17.8	1,466,463	1,404,750
With unfilled orders	108,444	99,147	102,186	+9.4	-3.0	+5.1	112,165	99,129	104,744	96,619	+16.1	1,193,726	1,161,359
Stone, clay, and glass products	5,115	5,180	5,464	-1.3	-5.2	+0.7	4,174	5,135	5,775	3,976	+5.0	63,046	58,190
Primary metals	11,667	10,724	10,394	+8.8	+3.2	+5.1	11,213	10,663	10,537	9,767	+14.8	131,159	127,631
Blast furnaces, steel mills	5,319	4,638	4,453	+14.7	+4.2	+3.2	5,146	4,511	4,460	3,879	+32.7	55,839	53,713
Iron and steel foundries	1,103	1,063	1,023	+3.8	+3.9	+13.5	897	1,025	1,139	782	+14.7	11,833	10,654
Nonferrous and other primary metals	5,245	5,023	4,918	+4.4	+2.1	+5.4	5,170	5,127	4,938	5,106	+1.3	63,487	63,264
Fabricated metal products	14,473	13,577	13,723	+6.6	-1.1	-1.0	13,810	13,184	14,344	12,232	+12.9	159,497	155,748
Industrial machinery and equipment	22,215	21,545	20,657	+3.1	+4.3	-2.7	24,542	20,795	20,679	20,870	+17.6	250,257	238,988
Engines and turbines	1,618	1,539	1,521	+5.1	+1.2	-21.3	2,378	1,624	1,495	1,876	+26.8	19,457	19,815
Construction, mining and material handling equipment	2,470	2,343	2,525	+5.4	-7.2	-1.2	2,388	2,275	2,611	2,288	+4.4	27,752	28,619
Metalworking machinery	2,336	2,297	1,724	+1.7	+33.2	-25.4	2,532	2,321	1,918	2,498	+1.4	25,647	23,899
Computer and office equipment	6,201	6,084	5,554	+1.9	+9.5	-3.6	8,197	5,914	5,113	6,123	+33.9	69,423	61,359
Electronic and other electrical equipment	19,321	18,215	18,919	+6.1	-3.7	+2.3	19,759	18,594	19,025	17,858	+10.6	212,538	198,231
Electrical transmission and distribution equipment and industrial apparatus	2,248	2,365	2,482	-4.9	-4.7	+15.5	2,200	2,264	2,425	2,262	-2.7	27,471	27,144
Electric lighting and wiring equipment	1,854	1,784	1,718	+3.9	+3.8	+4.0	1,966	1,903	1,766	1,844	+6.6	20,555	20,100
Communications equipment	4,638	3,756	4,420	+23.5	-15.0	+0.7	5,492	3,777	4,060	4,637	+18.4	47,105	39,269
Electronic components	6,093	6,029	5,839	+1.1	+3.3	-2.1	5,893	6,012	5,814	5,285	+11.5	66,579	62,343
Transportation equipment	35,289	29,095	32,498	+21.3	-10.5	+21.2	34,722	30,148	35,557	27,482	+26.3	365,126	357,473
Aircraft, missiles, space vehicles, and parts	9,936	6,114	10,388	+62.5	-41.1	+58.1	13,026	6,951	10,338	12,263	+6.2	105,049	126,216
Shipbuilding and tanks	1,346	477	620	+182.2	-23.1	+88.4	1,545	416	564	924	+67.2	8,176	11,528
Instruments and related products	11,179	10,340	9,995	+8.1	+3.5	-2.0	12,799	10,491	10,147	10,235	+25.1	120,557	119,431
Search and navigation equipment	3,158	2,803	1,962	+12.7	+42.9	-30.1	4,508	3,045	2,052	2,869	+57.1	29,998	31,640
Measuring and controlling devices	3,245	2,620	2,694	+23.9	-2.7	+7.1	3,269	2,569	2,722	2,649	+23.4	31,754	30,775
Medical instruments and supplies	2,676	2,906	3,349	-7.9	-13.2	+17.9	2,775	2,830	3,305	2,476	+12.1	34,620	32,733
All other durable goods	14,692	14,595	13,652	+0.7	+6.9	-1.9	12,628	13,775	14,385	11,000	+14.8	164,283	149,058
Nondurable goods industries	122,284	120,155	119,475	+1.8	+0.6	-0.6	116,924	120,719	124,270	111,278	+5.1	1,430,607	1,400,543
With unfilled orders	29,111	28,845	29,091	+0.9	-0.8	+3.3	27,957	29,003	30,112	27,437	+1.9	342,383	341,602

[p] Preliminary. [r] Revised.

[1] Shipments and new orders are the totals for the period and are adjusted for trading-day and calendar-month variations.

(n) When new orders for a prior month are negative because of cancellations, the percentage change calculation is algebraically negative, aven though there is a net dollar increase from the prior month to the current month.

Table 3. VALUE OF MANUFACTURERS' UNFILLED ORDERS FOR INDUSTRY GROUPS
(Millions of dollars)

Industry	Seasonally adjusted						Not seasonally adjusted				
	Monthly			Percent Change			Monthly				Percent change
	Dec. 1992[p]	Nov. 1992[r]	Oct. 1992	Nov.-Dec.	Oct.-Nov.	Sept.-Oct.	Dec. 1992[p]	Nov. 1992[r]	Oct. 1992	Dec. 1991	Dec. 92/91
All manufacturing industries	472,666	471,514	476,248	+0.2	-1.0	+0.1	470,028	468,300	473,628	502,265	-6.4
Manufacturing industries without defense capital goods	345,196	344,090	347,925	+0.3	-1.1	+0.2	341,596	340,710	345,938	358,634	-4.8
Durable goods industries	449,775	448,516	453,350	+0.3	-1.1	0.0	447,930	445,942	450,798	479,724	-6.6
Stone, clay, and glass products	6,312	6,556	6,726	-3.7	-2.5	-1.3	6,119	6,470	6,682	6,252	-2.1
Primary metals	20,384	19,715	19,943	+3.4	-1.1	-1.7	20,221	18,898	19,051	21,345	-5.3
Blast furnaces, steel mills	8,222	7,561	7,605	+8.7	-0.6	-1.9	8,197	7,220	7,335	8,547	-4.1
Iron and steel foundries	2,820	2,796	2,767	+0.9	+1.0	+0.8	2,775	2,764	2,749	2,900	-4.3
Nonferrous and other primary metals	9,342	9,358	9,571	-0.2	-2.2	-2.4	9,249	8,914	8,967	9,898	-6.6
Fabricated metal products	23,712	23,324	23,346	+1.7	-0.1	+1.7	23,487	22,893	23,095	24,248	-3.1
Industrial machinery and equipment	50,710	51,014	51,259	-0.6	-0.5	-0.1	50,449	50,939	51,124	53,071	-4.9
Engines and turbines	10,902	10,925	10,939	-0.2	-0.1	-0.4	11,167	11,181	11,091	10,544	+5.9
Construction, mining and material handling equipment	6,097	6,161	6,208	-1.0	-0.8	+1.7	6,067	6,074	6,109	6,165	-1.6
Metalworking machinery	6,841	7,056	7,320	-3.0	-3.6	-3.6	6,841	7,056	7,320	7,917	-13.6
Computer and office equipment	7,854	7,800	7,957	+0.7	-2.0	-0.1	7,548	7,988	8,139	9,215	-18.1
Electronic and other electrical equipment	42,828	42,700	42,679	+0.3	0.0	+0.9	42,066	42,248	42,358	41,625	+1.1
Electrical transmission and distribution equipment and industrial apparatus	5,657	5,854	5,865	-3.4	-0.2	+1.4	5,612	5,825	5,836	6,277	-10.6
Electric lighting and wiring equipment	2,841	2,787	2,774	+1.9	+0.5	+0.3	2,841	2,787	2,774	2,979	-4.6
Communications equipment	14,642	14,392	14,597	+1.7	-1.4	+0.8	14,588	14,448	14,627	14,385	+1.4
Electronic components	15,274	15,173	14,849	+0.7	+2.2	+0.1	14,877	14,754	14,503	13,770	+8.0
Transportation equipment	243,966	244,286	249,219	-0.1	-2.0	0.0	244,351	244,501	248,641	269,593	-9.4
Aircraft, missiles, space vehicles, and parts	213,521	214,142	218,474	-0.3	-2.0	+0.1	214,002	214,406	217,955	235,014	-8.9
Shipbuilding and tanks	22,785	22,553	23,129	+1.0	-2.5	-1.4	22,684	22,554	23,174	27,480	-17.5
Instruments and related products	53,739	52,864	52,657	+1.7	+0.4	-0.2	54,243	52,670	52,520	56,940	-4.7
Search and navigation equipment	35,838	35,213	35,025	+1.8	+0.5	-1.7	36,373	35,059	34,881	38,954	-6.6
Measuring and controlling devices	8,785	8,239	8,259	+6.6	-0.2	+0.5	8,785	8,239	8,259	8,816	-0.4
Medical instruments and supplies	8,230	8,557	8,511	-3.8	+0.5	+6.5	8,230	8,557	8,511	8,194	+0.4
All other durable goods	8,124	8,057	7,521	+0.8	+7.1	-0.9	6,994	7,323	7,327	6,650	+5.2
Nondurable goods industries	22,891	22,998	22,898	-0.5	+0.4	+1.1	22,098	22,358	22,830	22,541	-2.0

[p] Preliminary [r] Revised.

Table 4. VALUE OF MANUFACTURERS' INVENTORIES FOR INDUSTRY GROUPS
(Millions of dollars)

Industry	Seasonally adjusted						Not seasonally adjusted				
	Monthly			Percent Change			Monthly				Percent change
	Dec. 1992[p]	Nov. 1992[r]	Oct. 1992	Nov.-Dec.	Oct.-Nov.	Sept.-Oct.	Dec. 1992[p]	Nov. 1992[r]	Oct. 1992	Dec. 1991	Dec. 92/91
All manufacturing industries	379,053	381,266	383,708	-0.6	-0.6	-0.2	373,019	381,121	384,281	379,926	-1.8
Manufacturing industries											
with unfilled orders	250,635	253,181	255,272	-1.0	-0.8	-0.4	244,695	252,312	254,983	256,447	-4.6
without defense capital goods	348,119	350,579	352,076	-0.7	-0.4	-0.2	343,281	350,247	352,161	345,037	-0.5
Durable goods industries	235,403	237,542	239,390	-0.9	-0.8	-0.5	230,515	237,538	239,448	241,915	-4.7
With unfilled orders	217,292	219,275	221,083	-0.9	-0.8	-0.5	212,349	219,084	221,280	223,626	-5.0
Stone, clay, and glass products	7,791	7,926	7,916	-1.7	+0.1	-0.8	7,694	7,754	7,655	7,906	-2.7
Primary metals	19,293	19,450	19,663	-0.8	-1.1	-1.1	19,352	19,432	19,658	20,276	-4.6
Blast furnaces, steel mills	9,522	9,594	9,668	-0.8	-0.8	-0.3	9,808	9,699	9,690	10,281	-4.6
Iron and steel foundries	1,432	1,443	1,425	-0.8	+1.3	-0.6	1,405	1,392	1,390	1,379	+1.9
Nonferrous and other primary metals	8,339	8,413	8,570	-0.9	-1.8	-2.1	8,139	8,341	8,578	8,616	-5.5
Fabricated metal products	22,830	22,811	22,938	+0.1	-0.6	-1.0	22,367	22,596	22,718	22,297	+0.3
Industrial machinery and equipment	44,328	45,153	45,056	-1.8	+0.2	-0.1	43,088	45,396	45,182	45,309	-4.9
Engines and turbines	3,605	3,613	3,588	-0.2	+0.7	+3.0	3,264	3,795	3,758	3,275	-0.3
Farm and garden machinery	2,414	2,422	2,347	-0.3	+3.2	+0.1	2,412	2,413	2,274	2,371	+1.7
Construction, mining and material handling equipment	5,855	5,913	5,824	-1.0	+1.5	-2.1	5,761	5,835	5,769	6,336	-9.1
Metalworking machinery	5,404	5,497	5,614	-1.7	-2.1	-0.8	5,247	5,521	5,631	5,495	-4.5
Computer and office equipment	9,260	9,767	9,739	-5.2	+0.3	+2.2	8,890	9,976	9,901	9,400	-5.4
Electronic and other electrical equipment	30,595	30,688	30,699	-0.3	0.0	-1.0	29,785	30,414	30,585	30,052	-0.9
Electrical transmission and distribution equipment and industrial apparatus	4,057	4,155	4,195	-2.4	-1.0	-1.1	3,964	4,152	4,184	4,151	-4.5
Household appliances	2,532	2,585	2,659	-2.1	-2.8	-0.7	2,347	2,505	2,576	2,502	-6.2
Electric lighting and wiring equipment	2,910	2,979	2,991	-2.3	-0.4	-0.2	2,767	2,950	2,999	2,844	-2.7
Household audio and video equipment	1,165	1,194	1,202	-2.4	-0.7	-1.6	1,104	1,131	1,210	1,141	-3.2
Communications equipment	7,582	7,408	7,253	+2.3	+2.1	-0.9	7,522	7,423	7,253	7,191	+4.6
Electronic components	8,897	8,829	8,885	+0.8	-0.6	-0.9	8,746	8,809	8,881	8,841	-1.1
Transportation equipment	67,228	68,171	69,476	-1.4	-1.9	+0.1	65,698	68,674	69,950	72,636	-9.6
Motor vehicles and parts	11,543	12,092	12,397	-4.5	-2.5	-1.8	11,538	12,367	12,477	12,766	-9.6
Aircraft, missiles, space vehicles, and parts	51,429	51,784	52,867	-0.7	-2.0	+0.3	49,993	52,077	53,323	55,597	-10.1
Shipbuilding and tanks	1,824	1,815	1,811	+0.5	+0.2	+3.7	1,732	1,774	1,796	2,043	-15.2
Instruments and related products	23,318	23,275	23,478	+0.2	-0.9	-1.4	22,609	23,320	23,608	23,827	-5.1
Search and navigation equipment	6,887	6,904	7,022	-0.2	-1.7	-3.4	6,595	6,891	7,083	7,981	-17.4
Measuring and controlling devices	6,580	6,534	6,608	+0.7	-1.1	-1.2	6,475	6,559	6,637	6,638	-2.5
Medical instruments and supplies	6,247	6,332	6,317	-1.3	+0.2	+0.1	6,110	6,362	6,332	5,944	+2.8
Photographic goods	2,922	2,865	2,895	+2.0	-1.0	-0.5	2,767	2,878	2,932	2,639	+4.9
All other durable goods	20,020	20,068	20,164	-0.2	-0.5	0.0	19,922	19,952	20,092	19,612	+1.6
Nondurable goods industries	143,650	143,724	144,318	-0.1	-0.4	+0.3	142,504	143,583	144,833	138,011	+3.3
With unfilled orders	33,343	33,906	34,189	-1.7	-0.8	0.0	32,346	33,228	33,703	32,821	-1.4
Food and kindred products	30,391	30,538	30,836	-0.5	-1.0	+0.8	30,847	32,044	32,446	30,586	+0.9
Meat products	2,857	2,854	2,909	+0.1	-1.9	+3.9	2,740	2,923	2,898	2,665	+2.8
Dairy products	2,697	2,743	2,807	-1.7	-2.3	-2.2	2,584	2,682	2,788	2,458	+5.1
Beverages	5,710	5,693	5,716	+0.3	-0.4	-0.1	5,641	5,718	5,766	5,531	+2.0
All other foods, except fats and oils	17,567	17,627	17,771	-0.3	-0.8	+0.9	18,199	18,895	19,256	18,229	-0.2
Tobacco products	6,830	6,800	6,815	+0.4	-0.2	+1.7	6,973	6,674	6,879	6,582	+5.9
Textile mill products	9,129	9,155	9,132	-0.3	+0.3	+0.2	8,706	8,878	8,971	8,235	+5.7
Broadwoven fabrics and other textiles	5,220	5,257	5,331	-0.7	-1.4	+0.5	5,027	5,180	5,233	4,930	+2.0
Paper and allied products	13,385	13,804	13,850	-3.0	-0.3	+0.6	13,292	13,570	13,466	13,474	-1.4
Pulp, paper, and paperboard mill products	5,562	5,833	5,873	-4.6	-0.7	+1.2	5,545	5,702	5,684	5,504	+0.7
Paperboard containers and boxes	3,199	3,239	3,230	-1.2	+0.3	-0.3	3,257	3,180	3,147	3,335	-2.3
Miscellaneous converted paper products	4,624	4,732	4,747	-2.3	-0.3	+0.4	4,490	4,688	4,635	4,635	-3.1
Chemicals and allied products	35,600	35,247	35,188	+1.0	+0.2	+0.6	35,351	35,050	34,854	33,867	+4.4
Industrial chemicals	17,564	17,609	17,593	-0.3	+0.1	-0.5	17,564	17,354	17,291	17,411	+0.9
Drugs, soaps, and toiletries	13,287	12,934	12,931	+2.7	0.0	+1.8	12,981	12,993	13,004	11,732	+10.6
Petroleum and coal products	11,123	11,296	11,584	-1.5	-2.5	-2.3	11,079	11,590	11,918	11,202	-1.1
Rubber and plastics products	11,553	11,465	11,388	+0.8	+0.7	+0.6	11,583	11,393	11,209	11,098	+4.4
All other nondurable goods	25,639	25,419	25,525	+0.9	-0.4	+0.1	24,673	24,384	25,090	22,967	+7.4

[p] Preliminary. [r] Revised.

Table 5. VALUE OF MANUFACTURERS' SHIPMENTS AND NEW ORDERS FOR TOPICAL SERIES[1]
(Millions of dollars)

Industry	Seasonally adjusted						Not seasonally adjusted [2]						
	Monthly			Percent Change			Monthly				Percent change	Year to date	
	Dec. 1992[p]	Nov. 1992[r]	Oct. 1992	Nov.-Dec.	Oct.-Nov.	Sept.-Oct.	Dec. 1992[p]	Nov. 1992[r]	Oct. 1992	Dec. 1991	Dec. 92/91	1992[p]	1991
SHIPMENTS													
All manufacturing industries	255,083	248,160	244,391	+2.8	+1.5	-0.6	248,843	248,832	256,009	226,829	+9.7	2,929,307	2,821,699
Market categories :													
Automotive equipment	11,211	10,547	10,053	+6.3	+4.9	+4.3	9,379	10,706	11,591	6,992	+34.1	118,225	103,971
Home goods and apparel	18,298	17,449	17,215	+4.9	+1.4	+0.8	15,592	18,419	19,523	13,379	+16.5	201,547	181,320
Consumer staples	56,673	55,627	54,846	+1.9	+1.4	-2.7	56,726	56,597	56,502	53,609	+5.8	660,385	648,872
Machinery and equipment	43,390	41,613	40,339	+4.3	+3.2	-0.3	47,196	40,946	40,893	40,012	+18.0	482,724	457,838
Business supplies	19,321	18,799	19,119	+2.8	-1.7	+2.3	18,708	19,267	20,355	18,192	+2.8	226,950	230,003
Construction materials and supplies	16,225	15,696	15,470	+3.4	+1.5	-1.7	14,447	15,310	16,635	12,866	+12.3	184,597	169,189
Defense products	8,096	7,892	7,843	+2.6	+0.6	-9.1	9,930	8,253	7,767	10,367	-4.2	99,008	102,477
Other materials, supplies and and intermediate products	81,869	80,537	79,506	+1.7	+1.3	+0.3	76,865	79,334	82,743	71,412	+7.6	955,871	928,029
Durable goods industries :													
Nondefense capital goods [3]	34,004	32,733	31,754	+3.9	+3.1	-0.9	39,499	31,719	30,770	33,812	+16.8	382,223	365,708
Excluding aircraft and parts	27,801	26,527	25,993	+4.8	+2.1	-1.8	31,704	25,698	25,432	27,029	+17.3	309,497	292,624
Defense capital goods [4]	7,862	7,658	7,612	+2.7	+0.6	-8.6	10,084	8,160	7,540	10,446	-3.5	96,706	101,864
Durables excluding capital goods	90,826	87,714	85,796	+3.5	+2.2	+1.0	82,076	87,762	93,064	71,259	+15.2	1,019,328	955,006
Miscellaneous series :													
Producers' durable equipment	84,397	81,104	78,802	+4.1	+2.9	+0.6	84,482	80,757	83,291	71,848	+17.6	940,136	883,042
Household durable goods	7,561	7,513	7,347	+0.6	+2.3	+1.4	6,960	7,914	8,226	6,165	+12.9	86,068	80,036
Information technology industries	15,127	14,737	14,399	+2.6	+2.3	-1.8	18,651	14,572	13,678	15,924	+17.1	172,050	158,021
Health care equipment and products	8,306	7,849	7,667	+5.8	+2.4	-4.3	8,348	7,694	7,605	7,634	+9.4	93,765	88,852
NEW ORDERS													
All manufacturing industries	256,235	243,426	244,777	+5.3	-0.6	+2.0	250,571	243,504	254,719	224,698	+11.5	2,897,070	2,805,293
Market categories :													
Automotive equipment	11,175	10,563	10,019	+5.8	+5.4	+4.1	9,329	10,718	11,560	6,946	+34.3	118,130	104,138
Home goods and apparel	18,509	17,596	17,673	+5.2	-0.4	+4.3	15,454	17,720	19,343	13,246	+16.7	202,150	182,049
Consumer staples	56,682	55,613	54,888	+1.9	+1.3	-2.7	56,769	56,580	56,513	53,587	+5.9	660,479	648,860
Machinery and equipment	43,190	38,013	40,220	+13.6	-5.5	+3.6	46,689	37,255	40,667	37,321	+25.1	468,562	448,541
Business supplies	19,507	18,722	19,078	+4.2	-1.9	+2.6	18,877	19,130	20,109	18,202	+3.7	226,796	229,847
Construction materials and supplies	16,253	15,679	15,605	+3.7	+0.5	-1.1	14,579	15,219	16,463	13,060	+11.6	184,658	169,809
Defense products	8,073	7,118	7,992	+13.4	-10.9	+44.0	10,959	8,412	8,367	11,923	-8.1	85,273	95,294
Other materials, supplies and and intermediate products	82,846	80,122	79,302	+3.4	+1.0	+1.3	77,915	78,470	81,697	70,413	+10.7	951,022	926,755
Durable goods industries :													
Nondefense capital goods [3]	33,821	28,597	31,665	+18.3	-9.7	+3.6	38,981	27,686	30,608	30,941	+26.0	366,533	358,342
Excluding aircraft and parts	27,829	26,053	25,945	+6.8	+0.4	-1.7	31,397	25,327	25,311	26,092	+20.3	306,875	285,604
Defense capital goods [4]	7,908	6,759	7,439	+17.0	-9.1	+43.9	10,926	8,060	7,909	11,521	-5.2	81,507	93,658
Durables excluding capital goods	92,222	87,915	86,198	+4.9	+2.0	+2.5	83,740	87,039	91,932	70,958	+18.0	1,018,423	952,750
Miscellaneous series :													
Producers' durable equipment	85,415	77,613	78,803	+10.1	-1.5	+3.1	84,832	76,555	82,478	68,495	+23.9	924,939	869,824
Household durable goods	7,760	7,634	7,635	+1.7	0.0	+5.1	6,890	7,511	8,072	6,058	+13.7	86,343	80,283
Information technology industries	16,273	14,268	13,991	+14.1	+2.0	-5.6	19,308	14,108	13,298	15,125	+27.7	170,310	154,993
Health care equipment and products	7,977	7,898	8,185	+1.0	-3.5	+4.1	8,019	7,743	8,123	7,174	+11.8	93,800	88,125

[p] Preliminary [r] Revised.

[1] Topical series are regroupings of the separate industry categories.

[2] Shipments and new orders are the totals for the period and are adjusted for trading-day and calendar-month variations.

[3] Nondefense capital goods industries include : ordnance and accessories; steam, gas and hydraulic turbines; internal combustion engines; construction, mining, and material handling equipment; metalworking machinery; special industry machinery; general industrial machinery; computer and office equipment; refrigeration, heating and service industry machinery; electrical transmission and distribution equipment; electrical industrial apparatus; communications equipment; aircraft, missiles, space vehicles, and engines and parts; ships and tank components; railroad equipment; and search and navigation equipment.

[4] Defense capital goods industries include : ordnance and accessories; communications equipment; aircraft, missiles, space vehicles, and engines and parts; ships, tanks and tank components; and search and navigation equipment.

Table 6. VALUE OF MANUFACTURERS' UNFILLED ORDERS AND TOTAL INVENTORIES FOR TOPICAL SERIES[1]
(Millions of dollars)

Industry	Seasonally adjusted						Not seasonally adjusted				
	Monthly			Percent Change			Monthly				Percent change
	Dec. 1992[p]	Nov. 1992[r]	Oct. 1992	Nov.-Dec.	Oct.-Nov.	Sept.-Oct.	Dec. 1992[p]	Nov. 1992[r]	Oct. 1992	Dec. 1991	Dec. 92/91
UNFILLED ORDERS											
All manufacturing industries	472,666	471,514	476,248	+0.2	-1.0	+0.1	470,028	468,300	473,628	502,265	-6.4
Market categories :											
Automotive equipment	1,605	1,641	1,626	-2.2	+0.9	-2.0	1,579	1,630	1,618	1,675	-5.7
Home goods and apparel	10,471	10,259	10,111	+2.1	+1.5	+4.7	9,042	9,181	9,880	8,438	+7.2
Consumer staples	1,339	1,330	1,344	+0.7	-1.0	+3.2	1,379	1,336	1,353	1,285	+7.3
Machinery and equipment	200,253	200,454	204,054	-0.1	-1.8	-0.1	199,701	200,207	203,898	213,861	-6.6
Business supplies	5,728	5,541	5,618	+3.4	-1.4	-0.7	5,605	5,436	5,572	5,756	-2.6
Construction materials and supplies	14,102	14,075	14,092	+0.2	-0.1	+1.0	13,941	13,808	13,899	13,877	+0.5
Defense products	121,027	121,050	121,824	0.0	-0.6	+0.1	122,288	121,259	121,100	136,023	-10.1
Other materials, supplies and and intermediate products	118,141	117,164	117,579	+0.8	-0.4	-0.2	116,493	115,443	116,308	121,350	-4.0
Durable goods industries :											
Nondefense capital goods [3]	219,251	219,434	223,570	-0.1	-1.8	0.0	218,911	219,429	223,462	234,601	-6.7
Excluding aircraft and parts	72,381	72,353	72,827	0.0	-0.7	-0.1	72,041	72,348	72,719	74,663	-3.5
Defense capital goods [4]	127,470	127,424	128,323	0.0	-0.7	-0.1	128,432	127,590	127,690	143,631	-10.6
Durables excluding capital goods	103,054	101,658	101,457	+1.4	+0.2	+0.4	100,587	98,923	99,646	101,492	-0.9
Miscellaneous series :											
Producers' durable equipment	223,480	222,462	225,953	+0.5	-1.5	0.0	221,566	221,216	225,418	236,763	-6.4
Household durable goods	5,821	5,622	5,501	+3.5	+2.2	+5.5	4,765	4,835	5,238	4,490	+6.1
Information technology industries	32,207	31,061	31,530	+3.7	-1.5	-1.3	31,901	31,244	31,708	33,641	-5.2
Health care equipment and products	8,258	8,586	8,537	-3.8	+0.6	+6.4	8,258	8,587	8,538	8,222	+0.4
TOTAL INVENTORIES											
All manufacturing industries	379,053	381,266	383,708	-0.6	-0.6	-0.2	373,019	381,121	384,281	379,926	-1.8
Market categories :											
Automotive equipment	6,202	6,403	6,442	-3.1	-0.6	-0.6	6,156	6,481	6,394	6,543	-5.9
Home goods and apparel	29,462	29,203	29,206	+0.9	0.0	+0.1	28,482	27,931	28,482	26,075	+9.2
Consumer staples	59,475	59,337	59,858	+0.2	-0.9	+0.7	59,458	60,626	61,561	57,824	+2.8
Machinery and equipment	86,496	87,960	87,939	-1.7	0.0	-0.3	84,271	88,339	88,041	87,691	-3.9
Business supplies	21,655	21,844	22,078	-0.9	-1.1	-0.7	21,034	21,734	22,111	21,484	-2.1
Construction materials and supplies	22,751	22,740	22,786	0.0	-0.2	-0.6	22,394	22,497	22,591	22,074	+1.4
Defense products	29,136	28,763	29,724	+1.3	-3.2	0.0	28,149	28,857	30,147	32,874	-14.4
Other materials, supplies and and intermediate products	123,876	125,016	125,675	-0.9	-0.5	-0.5	123,075	124,656	124,954	125,361	-1.8
Durable goods industries :											
Nondefense capital goods [3]	81,311	82,711	82,774	-1.7	-0.1	-0.2	79,185	83,009	82,970	83,194	-4.8
Excluding aircraft and parts	53,154	54,101	53,897	-1.8	+0.4	0.0	51,500	54,333	54,044	53,982	-4.6
Defense capital goods [4]	30,934	30,687	31,632	+0.8	-3.0	+0.1	29,738	30,874	32,120	34,889	-14.8
Durables excluding capital goods	123,158	124,144	124,984	-0.8	-0.7	-0.8	121,592	123,655	124,358	123,832	-1.8
Miscellaneous series :											
Producers' durable equipment	139,490	141,726	142,196	-1.6	-0.3	-0.6	136,337	141,844	142,093	140,951	-3.3
Household durable goods	12,702	12,804	12,933	-0.8	-1.0	-0.1	12,218	12,457	12,753	12,218	0.0
Information technology industries	27,616	27,976	27,961	-1.3	+0.1	+0.2	26,829	28,276	28,203	27,582	-2.7
Health care equipment and products	13,457	13,353	13,336	+0.8	+0.1	+1.0	13,158	13,416	13,390	12,327	+6.7

See footnotes at end of table 5.

Table 7. VALUE OF MANUFACTURERS' INVENTORIES, BY STAGE OF FABRICATION, BY INDUSTRY GROUP
(Millions of dollars)

Industry	Seasonally adjusted						Not seasonally adjusted				
	Monthly			Percent Change			Monthly				Percent change
	Dec. 1992[p]	Nov. 1992[r]	Oct. 1992	Nov.-Dec.	Oct.-Nov	Sept.-Oct.	Dec. 1992[p]	Nov 1992[r]	Oct 1992	Dec 1991	Dec 92/91
MATERIALS AND SUPPLIES											
All manufacturing industries	118,306	118,535	119,165	-0.2	-0.5	-0.9	119,384	118,512	119,242	120,543	-1.0
Durable goods industries	65,811	66,120	66,327	-0.5	-0.3	-1.4	66,007	66,196	66,468	67,876	-2.8
Stone, clay, and glass products	2,449	2,470	2,453	-0.9	+0.7	-0.4	2,470	2,458	2,433	2,477	-0.3
Primary metals	6,151	6,131	6,126	+0.3	+0.1	-0.2	6,422	6,259	6,265	6,595	-2.6
Fabricated metal products	8,323	8,072	7,995	+3.1	+1.0	-1.6	8,343	7,995	7,932	8,078	+3.3
Industrial machinery and equipment	13,667	13,617	13,609	+0.4	+0.1	-0.3	13,514	13,621	13,637	13,192	+2.4
Electronic and other electrical equipment	9,123	9,076	9,005	+0.5	+0.8	-0.9	9,090	9,004	8,998	9,189	-1.1
Transportation equipment	11,544	12,167	12,433	-5.1	-2.1	-4.1	11,567	12,202	12,343	13,870	-16.6
Instruments and related products	7,070	7,068	7,120	0.0	-0.7	-0.4	6,887	6,995	7,062	6,740	+2.2
Lumber, furniture and miscellaneous durable goods	7,484	7,519	7,586	-0.5	-0.9	-1.7	7,714	7,662	7,798	7,735	-0.3
Nondurable goods industries	52,495	52,415	52,838	+0.2	-0.8	-0.1	53,377	52,316	52,774	52,667	+1.3
Food and kindred products	10,124	10,081	10,231	+0.4	-1.5	+0.7	10,366	10,445	10,432	10,033	+3.3
Tobacco products	5,216	5,183	5,256	+0.6	-1.4	-2.8	5,675	5,130	5,167	5,459	+4.0
Textile mill products	2,779	2,745	2,759	+1.2	-0.5	-1.5	2,724	2,622	2,662	2,544	+7.1
Paper and allied products	6,681	6,854	6,909	-2.5	-0.8	+0.9	6,752	6,794	6,822	6,959	-3.0
Chemicals and allied products	11,992	11,870	11,890	+1.0	-0.2	+0.8	11,956	11,810	11,926	11,631	+2.8
Petroleum and coal products	2,821	2,864	2,951	-1.5	-2.9	-2.8	2,964	2,850	3,004	3,131	-5.3
Rubber and plastics products	4,318	4,319	4,368	0.0	-1.1	-0.8	4,464	4,372	4,390	4,446	+0.4
Apparel, printing and publishing and leather goods	8,564	8,499	8,474	+0.8	+0.3	+0.1	8,476	8,293	8,371	8,464	+0.1
WORK IN PROCESS											
All manufacturing industries	132,310	132,754	134,092	-0.3	-1.0	+0.3	128,533	133,186	135,281	135,514	-5.2
Durable goods industries	109,182	109,830	111,129	-0.6	-1.2	+0.4	105,989	110,127	111,829	114,061	-7.1
Stone, clay, and glass products	1,101	1,106	1,126	-0.5	-1.8	-1.3	1,051	1,055	1,081	1,061	-0.9
Primary metals	7,192	7,245	7,265	-0.7	-0.3	-1.4	7,063	7,136	7,218	7,500	-5.8
Fabricated metal products	7,223	7,236	7,413	-0.2	-2.4	-0.6	6,986	7,290	7,436	7,085	-1.4
Industrial machinery and equipment	17,552	18,204	18,438	-3.6	-1.3	+0.5	16,900	18,519	18,678	18,969	-10.9
Electronic and other electrical equipment	13,503	13,469	13,365	+0.3	+0.8	+0.6	13,010	13,389	13,340	12,671	+2.7
Transportation equipment	47,944	47,843	48,602	+0.2	-1.6	+1.4	46,700	47,979	49,025	50,847	-8.2
Instruments and related products	10,518	10,540	10,726	-0.2	-1.7	-2.3	10,192	10,620	10,886	11,840	-13.9
Lumber, furniture and miscellaneous durable goods	4,149	4,187	4,194	-0.9	-0.2	+1.0	4,087	4,139	4,165	4,088	0.0
Nondurable goods industries	23,128	22,924	22,963	+0.9	-0.2	-0.5	22,544	23,059	23,452	21,453	+5.1
Food and kindred products	3,652	3,642	3,674	+0.3	-0.9	+1.6	3,783	3,857	3,973	3,674	+3.0
Tobacco products	86	82	66	+4.9	+24.2	0.0	88	114	101	55	+60.0
Textile mill products	2,432	2,436	2,431	-0.2	+0.2	-0.1	2,330	2,405	2,438	2,342	-0.5
Paper and allied products	1,105	1,111	1,097	-0.5	+1.3	-1.0	1,094	1,087	1,061	1,154	-5.2
Chemicals and allied products	5,767	5,679	5,626	+1.5	+0.9	+1.1	5,572	5,667	5,643	5,210	+6.9
Petroleum and coal products	2,900	2,950	3,005	-1.7	-1.8	-4.9	2,808	3,006	3,136	2,718	+3.3
Rubber and plastics products	1,523	1,514	1,489	+0.6	+1.7	+2.4	1,500	1,552	1,513	1,508	-0.5
Apparel, printing and publishing and leather goods	5,663	5,510	5,575	+2.8	-1.2	-1.7	5,369	5,371	5,587	4,792	+12.0
FINISHED GOODS											
All manufacturing industries	128,437	129,977	130,451	-1.2	-0.4	0.0	125,102	129,423	129,758	123,869	+1.0
Durable goods industries	60,410	61,592	61,934	-1.9	-0.6	-1.1	58,519	61,215	61,151	59,978	-2.4
Stone, clay, and glass products	4,241	4,350	4,337	-2.5	+0.3	-0.9	4,173	4,241	4,141	4,368	-4.5
Primary metals	5,950	6,074	6,272	-2.0	-3.2	-1.7	5,867	6,037	6,175	6,181	-5.1
Fabricated metal products	7,284	7,503	7,530	-2.9	-0.4	-0.8	7,038	7,311	7,350	7,134	-1.3
Industrial machinery and equipment	13,109	13,332	13,009	-1.7	+2.5	-0.6	12,674	13,256	12,867	13,148	-3.6
Electronic and other electrical equipment	7,969	8,143	8,329	-2.1	-2.2	-3.8	7,685	8,021	8,247	8,192	-6.2
Transportation equipment	7,740	8,161	8,441	-5.2	-3.3	-1.1	7,431	8,493	8,582	7,919	-6.2
Instruments and related products	5,730	5,667	5,632	+1.1	+0.6	-0.9	5,530	5,705	5,660	5,247	+5.4
Lumber, furniture and miscellaneous durable goods	8,387	8,362	8,384	+0.3	-0.3	+1.1	8,121	8,151	8,129	7,789	+4.3
Nondurable goods industries	68,027	68,385	68,517	-0.5	-0.2	+1.0	66,583	68,208	68,607	63,891	+4.2
Food and kindred products	16,615	16,815	16,931	-1.2	-0.7	+0.7	16,698	17,742	18,041	16,879	-1.1
Tobacco products	1,528	1,535	1,493	-0.5	+2.8	+21.4	1,210	1,430	1,611	1,068	+13.3
Textile mill products	3,918	3,974	3,942	-1.4	+0.8	+1.7	3,652	3,851	3,871	3,349	+9.0
Paper and allied products	5,599	5,839	5,844	-4.1	-0.1	+0.5	5,446	5,689	5,583	5,361	+1.6
Chemicals and allied products	17,841	17,698	17,672	+0.8	+0.1	+0.3	17,823	17,573	17,285	17,026	+4.7
Petroleum and coal products	5,402	5,482	5,628	-1.5	-2.6	-0.6	5,307	5,734	5,778	5,353	-0.9
Rubber and plastics products	5,712	5,632	5,531	+1.4	+1.8	+1.3	5,619	5,469	5,306	5,144	+9.2
Apparel, printing and publishing and leather goods	11,412	11,410	11,476	0.0	-0.6	+1.0	10,828	10,720	11,132	9,711	+11.5

[p] Prelimary. [r] Revised.

Table 8. RATIOS OF MANUFACTURES' INVENTORIES TO SHIPMENTS AND UNFILLED ORDERS TO SHIPMENTS, BY INDUSTRY GROUP
(Based on seasonally adjusted data)

Industry	Inventory / Shipments ratio				Unfilled Orders / Shipments ratio[1]			
	Dec. 1992[p]	Nov. 1992[r]	Oct. 1992	Sept. 1992	Dec. 1992[p]	Nov. 1992[r]	Oct. 1992	Sept. 1992
All manufacturing industries	1.49	1.54	1.57	1.56	3.47	3.55	3.64	3.63
Durable goods industries	1.77	1.85	1.91	1.92	4.20	4.31	4.44	4.41
Stone, clay, and glass products	1.45	1.48	1.42	1.44	1.27	1.33	1.31	1.33
Primary metals	1.75	1.78	1.83	1.83	1.85	1.80	1.86	1.87
Fabricated metal products	1.62	1.68	1.72	1.72	1.85	1.90	1.94	1.89
Industrial machinery and equipment	1.97	2.07	2.17	2.14	2.36	2.46	2.60	2.55
Electronic and other electrical equipment	1.59	1.69	1.66	1.70	2.23	2.35	2.30	2.32
Transportation equipment	1.89	2.00	2.14	2.20	12.13	12.46	13.30	13.49
Instruments and related products	2.26	2.30	2.33	2.25	5.22	5.22	5.22	4.99
Nondurable goods industries	1.17	1.20	1.21	1.19	0.78	0.80	0.79	0.79
Food and kindred products	0.91	0.91	0.93	0.91	(X)	(X)	(X)	(X)
Tobacco products	2.18	2.51	2.83	1.92	(X)	(X)	(X)	(X)
Textile mill products	1.51	1.55	1.54	1.48	(NA)	(NA)	(NA)	(NA)
Paper and allied products	1.25	1.32	1.34	1.32	(NA)	(NA)	(NA)	(NA)
Chemicals and allied products	1.41	1.43	1.44	1.41	(X)	(X)	(X)	(X)
Petroleum and coal products	0.85	0.85	0.88	0.92	(X)	(X)	(X)	(X)
Rubber and plastics products	1.31	1.29	1.30	1.29	(X)	(X)	(X)	(X)

[p] Preliminary. [r] Revised. (X) Not applicable. (NA) Not available.

[1] Excludes the following industries with no unfilled orders : Wood and lumber products; glass containers; metal cans, barrels and drums; farm and garden machinery; motor vehicle assembly operations; other transportation equipment; foods and related products; tobacco; knitting mill products; apparel and related products; chemicals; petroleum and coal products; and rubber and plastics products.

Table 9. REVISIONS TO PREVIOUSLY PUBLISHED MONTHLY PERCENT CHANGES
(Based on seasonally adjusted data)

Industry	Shipments			New orders			Unfilled orders			Inventories		
	Dec.[1] 1992	Dec.[2] 1987-1991	Dec. 1991-Nov. 1992	Dec.[1] 1992	Dec.[2] 1987-1991	Dec. 1991-Nov. 1992	Dec.[1] 1992	Dec.[2] 1987-1991	Dec. 1991-Nov. 1992	Dec.[1] 1992	Dec.[2] 1987-1991	Dec. 1991-Nov. 1992
All manufacturing industries	(X)	0.3	0.1	(X)	0.2	0.3	(X)	0.1	0.1	(X)	0.1	0.1
Durable goods industries	-0.1	0.5	0.2	-0.4	0.2	0.5	-0.1	0.1	0.1	(X)	0.1	0.1
Stone, clay, and glass products	(X)	0.9	0.7	(X)	1.2	1.5	(X)	0.6	0.7	(X)	0.3	0.2
Primary metals	-0.2	0.5	0.2	-0.2	1.2	0.8	0.0	0.2	0.3	(X)	0.2	0.1
Fabricated metal products	(X)	1.0	0.4	(X)	1.1	0.6	(X)	0.4	0.3	(X)	0.8	0.2
Industrial machinery and equipment	-0.1	1.1	0.4	0.1	1.8	0.5	0.1	0.4	0.1	(X)	0.1	0.1
Electronic and other electrical equipment	0.1	0.6	0.4	0.1	1.1	0.6	0.0	0.3	0.1	(X)	0.1	0.1
Transportation equipment	0.0	0.8	0.6	0.5	0.7	1.5	0.1	0.0	0.2	(X)	0.1	0.2
Instruments and related products	(X)	1.8	0.8	(X)	4.1	0.6	(X)	0.3	0.1	(X)	0.3	0.1
Nondurable goods industries	(X)	0.3	0.1	(X)	0.3	0.1	(X)	0.6	0.5	(X)	0.1	0.2
Food and kindred products	(X)	0.2	0.3	(X)	(X)	(X)	(X)	(X)	(X)	(X)	0.1	0.3
Tobacco products	(X)	1.3	2.5	(X)	(X)	(X)	(X)	(X)	(X)	(X)	0.0	0.1
Textile mill products	(X)	0.3	0.5	(X)	(NA)	(NA)	(X)	(NA)	(NA)	(X)	0.8	0.4
Paper and allied products	(X)	0.7	0.2	(X)	(NA)	(NA)	(X)	(NA)	(NA)	(X)	0.3	0.4
Chemicals and allied products	(X)	0.5	0.1	(X)	(X)	(X)	(X)	(X)	(X)	(X)	0.2	0.2
Petroleum and coal products	(X)	1.4	0.2	(X)	(X)	(X)	(X)	(X)	(X)	(X)	0.6	0.3
Rubber and plastics products	(X)	1.4	0.3	(X)	(X)	(X)	(X)	(X)	(X)	(X)	0.5	0.2
Capital goods industries :												
Nondefense	0.1	0.6	0.5	0.4	1.0	1.1	0.0	0.1	0.1	(X)	0.1	0.1
Defense	0.4	0.6	1.2	2.7	5.8	5.3	0.1	0.1	0.2	(X)	0.1	0.4

(X) Not applicable. (NA) Not available.

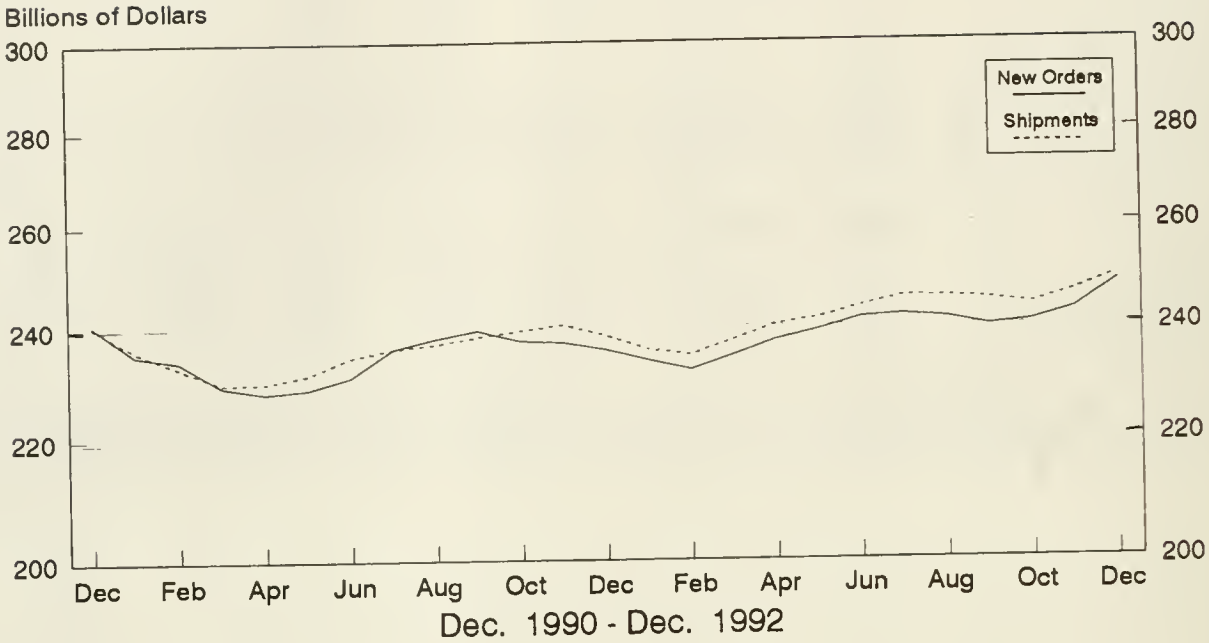
Note : The five year and the twelve month revisions are the differences between the month-to-month percent changes of the preliminary and final estimates. The monthly averages are the simple averages of the absolute values of the differences for the months specified. The advance to final percent change revisions for the durable goods industries are shown in the advance report for the month.

[1] The current month revisions are the difference between the advance precent change and the percent change as shown in this publication.

[2] Average for this month for the last five years.

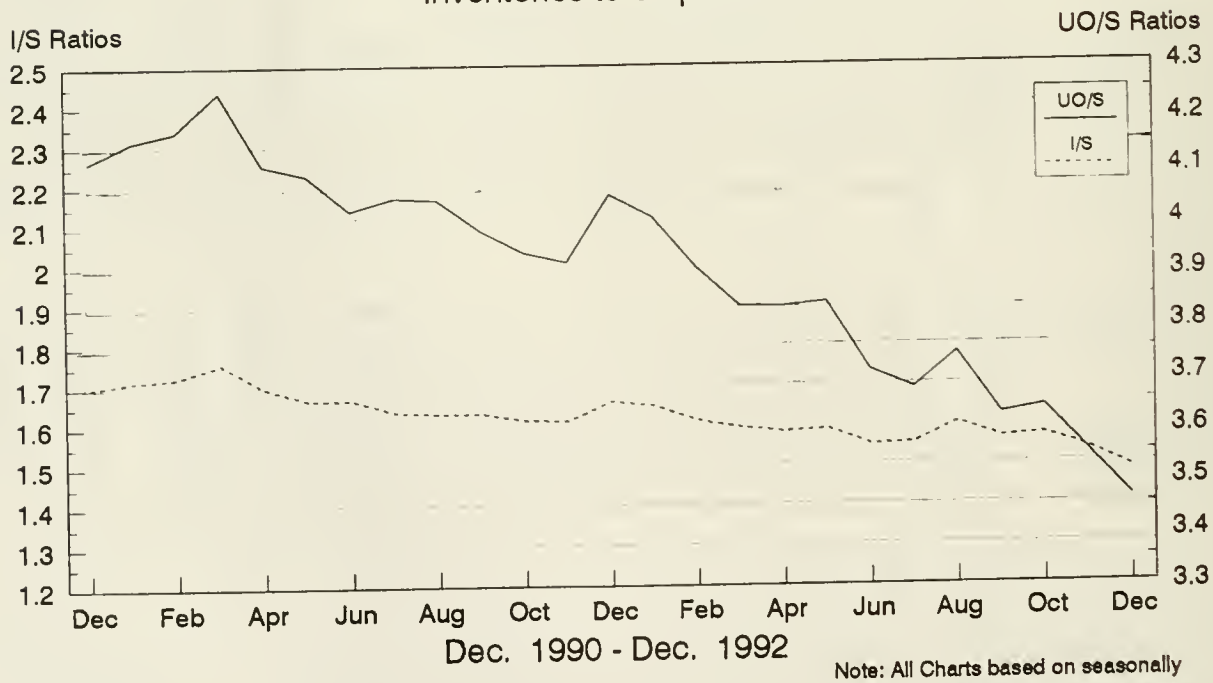
Total Manufacturing

New Orders and Shipments
Three Month Moving Averages



Total Manufacturing

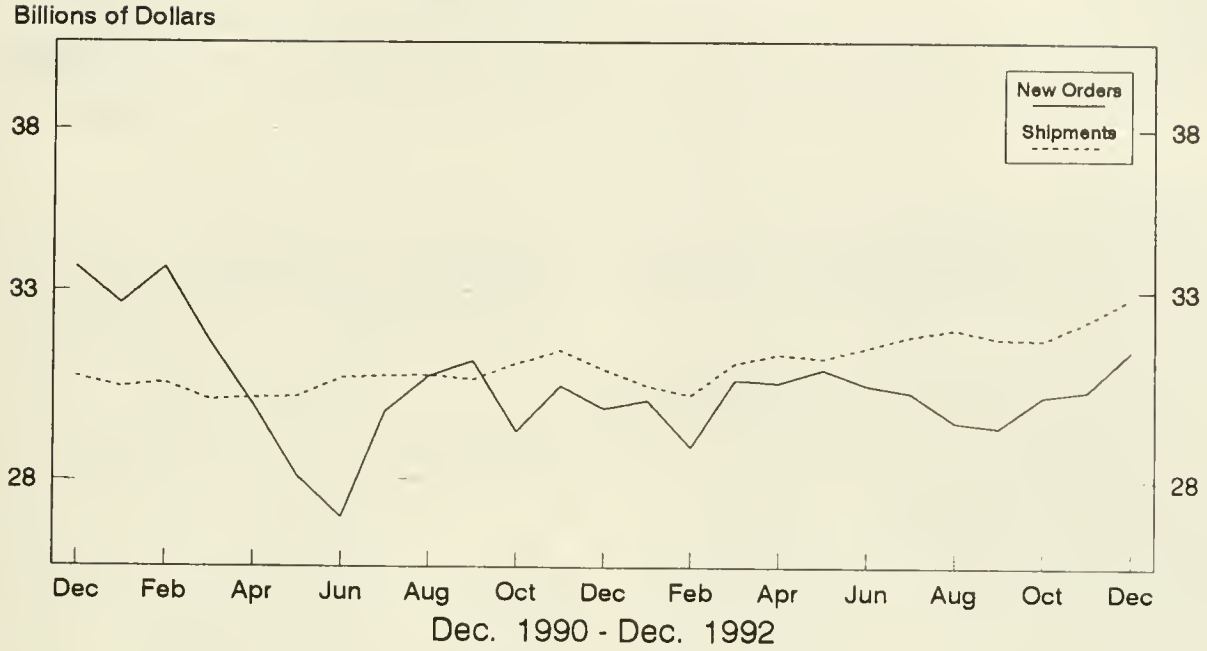
Ratio of Unfilled Orders and
Inventories to Shipments



Note: All Charts based on seasonally adjusted current dollars.

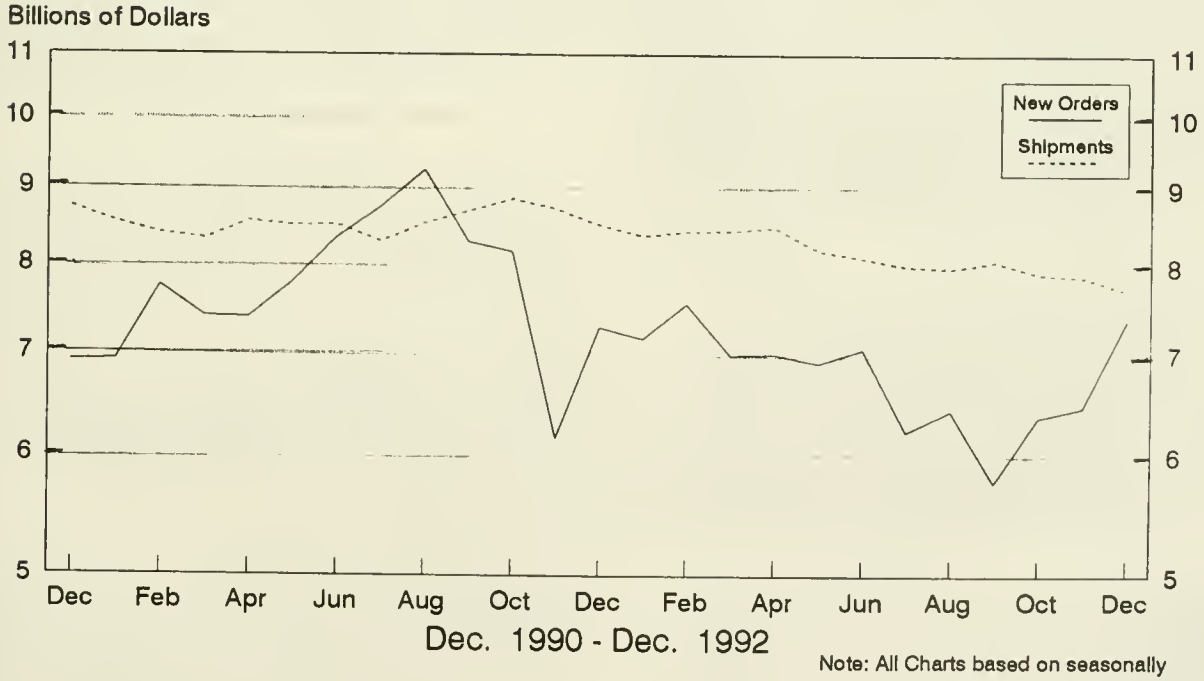
Nondefense Capital Goods

New Orders and Shipments
Three Month Moving Averages



Defense Capital Goods

New Orders and Shipments
Three Month Moving Averages



Note: All Charts based on seasonally adjusted current dollars.

U.S. Department of Commerce
BUREAU OF THE CENSUS
Washington, D.C. 20233

Official Business
Penalty for Private Use, $300

U.S.MAIL

POSTAGE AND FEES PAID
U.S. DEPARTMENT OF COMMERCE
COM-

First Class Mail

PUBLICATION DATES FOR THE 1993 MONTHLY M3 SURVEY
MANUFACTURERS' SHIPMENTS, INVENTORIES, AND ORDERS

Report Covering	Advance Report Release Dates (8:30 a.m. release time)	Regular Report Release Dates (10:00 a.m. release time)
December 1992	Fri., Jan. 29	Thurs., Feb. 4
January 1993	Wed., Feb. 24	Thurs., Mar. 4
February 1993	Wed., Mar. 24	Wed., Mar. 31
March 1993	Fri., Apr. 23	Fri., Apr. 30
April 1993	Wed., May 26	Fri., June 4
May 1993	Wed., June 23	Wed., June 30
June 1993	Wed., July 28	Thurs., Aug. 5
July 1993	Wed., Aug. 25	Thur., Sept. 2
August 1993	Fri., Sept. 24	Fri., Oct. 1
September 1993	Wed., Oct. 27	Thur., Nov. 4
October 1993	Wed., Nov. 24	Fri., Dec. 3
November 1993	Thur., Dec. 23	

The Manufacturers' Shipments, Inventories, and Orders press release can be faxed to you on the day of issue at a cost of $120 per year. The fee is to cover the subscription service, wire transmission, and administrative costs. If you wish to subscribe to this service, or would like more information, please call Sandy Sollinger at (301) 763-2604.

. 158: M 3-1-(93)-1
ent Industrial Reports, Manufac...
JUL 20 1993

Manufacturers' Shipments, Inventories, and Orders

. S. Department of Commerce
UREAU OF THE CENSUS

January 1993
M3-1-(93)-1
For Wire Transmissions 10:00 a.m. E.S.T. March 4, 1993

Steve Andrews or Kathy Menth
(301)763-2502 or (301)763-2575

Note: All figures in text are in seasonally adjusted current dollars

Summary

New orders for manufactured goods in January decreased $3.3 billion or 1.3 percent to $255.0 billion, the Department of Commerce, Bureau of the Census reported today. This follows a 6.1 percent increase in December and 0.6 percent decrease in November. Excluding defense, new orders were down $4.2 billion. Excluding transportation equipment, new orders decreased $0.2 billion.

Shipments decreased $4.0 billion or 1.5 percent to $253.0 billion, following increases of 3.6 percent in December and 1.5 percent in November. Excluding defense, shipments decreased $3.8 billion. Excluding transportation equipment, shipments were down $2.8 billion.

Unfilled orders increased $2.0 billion or 0.4 percent to $474.7 billion, the third increase in the last four months, following thirteen monthly declines. Excluding defense, unfilled orders increased $0.8 billion. Excluding transportation equipment, unfilled orders increased $4.1 billion. The unfilled orders-to-shipments ratio increased from 3.45 in December, the lowest since August 1978, to 3.55 in January.

Inventories decreased $0.9 billion or 0.2 percent to $378.0 billion, following a 0.6 percent decline in December. This is the fifth consecutive decrease. Excluding defense, inventories decreased $0.6 billion. Excluding transportation equipment, inventories were down $0.2 billion. The inventories-to-shipments ratio increased from 1.47 in December, the lowest on record, to 1.49 in January.

New Orders

New orders for durable goods in January decreased $3.0 billion or 2.2 percent to $132.2 billion. This follows a 9.7 percent increase in December and a 1.6 percent decrease in November. Transportation equipment had the largest decrease, down $3.1 billion or 8.5 percent to $33.2 billion, primarily due to aircraft and parts. This follows a 24.6 percent increase in December. Instruments and related products declined $0.6 billion or 5.2 percent to $10.9 billion, following an 11.6 percent increase in December. Electronic and other electrical equipment was down $0.6 billion or 3.1 percent to $18.9 billion, following a 7.0 percent increase in December. Primary metals and industrial machinery and equipment had the largest increases, up $0.8 billion each.

New orders for nondurable goods decreased $0.3 billion or 0.2 percent to $122.8 billion, following a 2.4 percent increase in December. The largest decrease was in chemicals and allied products. Printing and publishing and petroleum and coal products also had large declines. Apparel and related products, food and kindred products, and textile mill products had the largest increases.

Shipments

Shipments of durable goods in January decreased $3.4 billion or 2.5 percent to $130.6 billion, following a 4.6 percent increase in December. Electric and other electrical equipment had the largest decrease, down $1.6 billion or 8.2 percent to $17.7 billion, with declines in nearly all categories. Transportation equipment decreased $1.2 billion or 3.3 percent to $35.3 billion, with declines in all categories. Industrial machinery and equipment had the largest increase, up $0.3 billion or 1.2 percent to $22.9 billion.

Shipments of nondurable goods declined $0.6 billion or 0.5 percent to $122.4 billion, following a 2.5 percent increase in December. The largest decrease was in chemicals and allied products, down $0.8 billion or 2.9 percent to $24.9 billion, following a 4.3 percent increase in December. Food and kindred products increased $0.4 billion or 1.1 percent to $33.8 billion, following a 0.1 percent decline in December.

Unfilled Orders

Unfilled orders for durable goods in January increased $1.6 billion or 0.4 percent to $451.3 billion. This is the third increase in the last four months. The largest increase was in primary metals, up $1.4 billion or 7.0 percent to $21.9 billion, following a 3.6 percent increase in December. Electronic and other electrical equipment was up $1.2 billion, and instruments and related products increased $0.7 billion. Transportation equipment had the largest decrease, down $2.1 billion or 0.9 percent to $241.9 billion, as a decline in aircraft and parts more than offset an increase in shipbuilding and tanks. Transportation equipment has declined in fifteen of the last seventeen months and is at the lowest level since July 1989. Unfilled orders for nondurable goods, up $0.3 billion or 1.5 percent to $23.4 billion, have increased for four consecutive months.

Inventories

Inventories for durable goods in January decreased $1.2 billion or 0.5 percent to $234.2 billion, the lowest level since September 1988. This is the fifteenth decline in the last sixteen months. The largest decrease was in transportation equipment, down $0.7 billion or 1.0 percent to $66.5 billion, primarily due to aircraft and parts. Transportation equipment has declined in twelve of the last fourteen months and is at the lowest level since April 1989. Nondurable goods increased $0.3 billion or 0.2 percent to $143.8 billion following a 0.1 percent decline in December.

By stage of fabrication, finished goods decreased 0.3 percent in durables and increased 0.4 percent in nondurables. Work in process was down 0.5 percent in durables and 0.4 percent in nondurables. Materials and supplies decreased 0.6 percent in durables and increased 0.2 percent in nondurables.

The advance report on durable goods for February is scheduled for March 24, 1993 at 8:30 a.m. and the full report on March 31, 1993 at 10:00 a.m. For sale by the Superintendent of Documents, U.S. Government Printing Office, Washington, DC 20402. This report is also available the day of issue through the Department of Commerce's online Economic Bulletin Board (N-8-1) (202-482-3870) and through the Census Bureau's online information service-CENDATA. CENDATA is available from Dialog Information Services, Inc. (1-800-334-2464) and CompuServe (1-800-848-8199). The CENDATA staff at the Bureau of the Census (301-763-2074) can provide content information and general guidance.

Table 1. VALUE OF MANUFACTURERS' SHIPMENTS FOR INDUSTRY GROUPS
(Millions of dollars)

Industry	Seasonally adjusted						Not seasonally adjusted[1]						
	Monthly			Percent Change			Monthly				Percent change	Year to date	
	Jan. 1993[p]	Dec. 1992[r]	Nov. 1992	Dec.-Jan.	Nov.-Dec.	Oct.-Nov.	Jan. 1993[p]	Dec. 1992[r]	Nov. 1992	Jan. 1992	Jan. 93/92	1993[p]	199
All manufacturing industries	253,044	257,027	248,160	-1.5	+3.6	+1.5	226,636	249,541	248,832	210,835	+7.5	226,636	210,83
Manufacturing Industries													
with unfilled orders	133,602	136,935	132,726	-2.4	+3.2	+1.4	117,590	138,612	133,460	111,933	+5.1	117,590	111,93
without defense capital goods	245,388	249,169	240,502	-1.5	+3.6	+1.6	220,588	239,465	240,672	204,270	+8.0	220,588	204,2
Durable goods industries	130,607	134,010	128,105	-2.5	+4.6	+2.4	113,846	131,784	127,641	104,302	+9.2	113,846	104,3
With unfilled orders	104,574	107,570	103,981	-2.8	+3.5	+1.9	90,684	110,252	103,985	85,872	+5.6	90,684	85,87
Stone, clay, and glass products	5,189	5,346	5,350	-2.9	-0.1	-3.7	4,402	4,514	5,347	4,136	+6.4	4,402	4,1
Primary metals	11,073	11,018	10,952	+0.5	+0.6	+1.9	10,501	9,869	10,816	10,361	+1.4	10,501	10,3
Blast furnaces, steel mills	4,812	4,713	4,682	+2.1	+0.7	+1.8	4,706	4,213	4,626	4,600	+2.3	4,706	4,6
Iron and steel foundries	1,037	1,024	1,034	+1.3	-1.0	+3.4	921	827	1,010	858	+7.3	921	8
Nonferrous and other primary metals	5,224	5,281	5,236	-1.1	+0.9	+1.6	4,874	4,829	5,180	4,903	-0.6	4,874	4,9
Fabricated metal products	13,935	14,118	13,599	-1.3	+3.8	+2.0	12,334	13,247	13,386	11,602	+6.3	12,334	11,6
Industrial machinery and equipment	22,934	22,658	21,790	+1.2	+4.0	+5.1	19,228	24,982	20,980	16,941	+13.5	19,228	16,9
Engines and turbines	1,576	1,622	1,553	-2.8	+4.4	-0.9	1,192	2,396	1,534	1,124	+6.0	1,192	1,1
Farm and garden machinery	1,158	1,046	1,071	+10.7	-2.3	+3.2	1,129	947	932	1,158	-2.5	1,129	1,1
Construction, mining and material handling equipment	2,591	2,545	2,390	+1.8	+6.5	-1.4	2,332	2,394	2,310	1,870	+24.7	2,332	1,8
Metalworking machinery	2,662	2,592	2,561	+2.7	+1.2	+28.4	2,095	2,723	2,585	1,573	+33.2	2,095	1,5
Computer and office equipment	6,555	6,207	6,241	+5.6	-0.5	+12.2	4,969	8,638	6,065	4,313	+15.2	4,969	4,3
Electronic and other electrical equipment	17,723	19,306	18,194	-8.2	+6.1	-1.8	15,609	20,037	18,704	14,694	+6.2	15,609	14,6
Electrical transmission and distribution equipment and industrial apparatus	2,351	2,426	2,376	-3.1	+2.1	-1.1	2,063	2,405	2,275	2,004	+2.9	2,063	2,0
Household appliances	1,551	1,713	1,698	-9.5	+0.9	+4.6	1,359	1,621	1,604	1,236	+10.0	1,359	1,2
Electric lighting and wiring equipment	1,822	1,798	1,771	+1.3	+1.5	+3.5	1,587	1,903	1,890	1,433	+10.7	1,587	1,4
Household audio and video equipment	1,027	1,039	1,059	-1.2	-1.9	0.0	841	996	1,330	791	+6.3	841	7
Communications equipment	3,782	4,399	3,961	-14.0	+11.1	-7.9	3,227	5,365	3,956	3,062	+5.4	3,227	3,0
Electronic components	5,616	6,119	5,705	-8.2	+7.3	-2.0	5,189	5,874	5,761	4,901	+5.9	5,189	4,9
Transportation equipment	35,293	36,493	34,028	-3.3	+7.2	+4.8	30,185	34,903	34,288	25,928	+16.4	30,185	25,9
Motor vehicles and parts	23,086	23,345	21,264	-1.1	+9.8	+5.6	20,702	18,853	21,606	15,964	+29.7	20,702	15,9
Aircraft, missiles, space vehicles, and parts	9,858	10,590	10,446	-6.9	+1.4	+3.8	7,481	13,437	10,500	8,135	-8.0	7,481	8,1
Shipbuilding and tanks	1,096	1,101	1,053	-0.5	+4.6	+9.7	868	1,395	1,036	828	+4.8	868	8
Instruments and related products	10,251	10,459	10,133	-2.0	+3.2	+0.5	9,136	11,324	10,341	9,035	+1.1	9,136	9,0
Search and navigation equipment	2,761	2,579	2,615	+7.1	-1.4	+1.7	2,276	3,183	2,867	2,211	+2.9	2,276	2,2
Measuring and controlling devices	2,566	2,697	2,640	-4.9	+2.2	-0.3	2,415	2,742	2,589	2,531	-4.6	2,415	2,5
Medical instruments and supplies	2,892	3,083	2,860	-6.2	+7.8	+1.1	2,739	3,165	2,784	2,668	+2.7	2,739	2,6
Photographic goods	1,665	1,746	1,671	-4.6	+4.5	-0.9	1,394	1,907	1,759	1,336	+4.3	1,394	1,3
All other durable goods	14,209	14,612	14,059	-2.8	+3.9	+2.4	12,451	12,908	13,779	11,605	+7.3	12,451	11,6
Nondurable goods industries	122,437	123,017	120,055	-0.5	+2.5	+0.7	112,790	117,757	121,191	106,533	+5.9	112,790	106,5
With unfilled orders	29,028	29,365	28,745	-1.1	+2.2	-0.3	26,906	28,360	29,475	26,061	+3.2	26,906	26,0
Food and kindred products	33,777	33,422	33,448	+1.1	-0.1	+0.8	31,023	32,812	33,635	29,318	+5.8	31,023	29,3
Meat products	7,923	7,483	7,593	+5.9	-1.4	+1.1	7,337	7,353	7,470	6,735	+8.9	7,337	6,7
Dairy products	4,243	4,301	4,357	-1.3	-1.3	-0.1	3,963	4,147	4,410	3,844	+3.1	3,963	3,8
Beverages	4,743	4,789	4,717	-1.0	+1.5	+1.2	4,065	4,423	4,472	3,856	+5.4	4,065	3,8
All other foods, except fats and oils	15,122	14,984	15,023	+0.9	-0.3	+1.1	13,912	15,024	15,525	13,066	+6.5	13,912	13,0
Tobacco products	3,091	3,171	2,711	-2.5	+17.0	+12.7	2,000	3,852	3,137	1,734	+15.3	2,000	1,7
Textile mill products	6,296	6,143	5,924	+2.5	+3.7	-0.1	5,429	5,567	6,137	5,131	+5.8	5,429	5,1
Broadwoven fabrics and other textiles	4,025	3,758	3,665	+7.1	+2.5	-0.1	3,534	3,526	3,714	3,318	+6.5	3,534	3,3
Paper and allied products	10,404	10,705	10,486	-2.8	+2.1	+1.5	10,066	10,281	10,295	10,023	+0.4	10,066	10,0
Pulp, paper, and paperboard mill products	4,360	4,425	4,548	-1.5	-2.7	+4.9	4,234	4,353	4,493	4,237	-0.1	4,234	4,2
Paperboard containers and boxes	2,435	2,513	2,518	-3.1	-0.2	+0.6	2,357	2,350	2,464	2,378	-0.9	2,357	2,3
Miscellaneous converted paper products	3,609	3,767	3,420	-4.2	+10.1	-2.2	3,475	3,578	3,338	3,408	+2.0	3,475	3,4
Chemicals and allied products	24,889	25,642	24,585	-2.9	+4.3	+0.6	23,941	24,373	23,826	23,298	+2.8	23,941	23,2
Industrial chemicals	13,026	12,952	12,924	+0.6	+0.2	0.0	12,414	12,101	12,658	11,737	+5.8	12,414	11,7
Drugs, soaps, and toiletries	9,217	10,096	9,185	-8.7	+9.9	+3.1	9,152	10,010	9,043	9,155	0.0	9,152	9,1
Petroleum and coal products	12,893	13,139	13,216	-1.9	-0.6	+0.5	12,093	12,867	13,648	11,037	+9.6	12,093	11,0
Rubber and plastics products	9,027	8,943	8,872	+0.9	+0.8	+1.1	8,343	7,916	8,428	8,285	+0.7	8,343	8,2
All other nondurable goods	22,060	21,852	20,813	+1.0	+5.0	-0.9	19,895	20,089	22,085	17,707	+12.4	19,895	17,7

[p] Preliminary [r] Revised.

[1] Shipments and new orders are the totals for the period and are adjusted for trading-day and calendar-month variations

Table 2. VALUE OF MANUFACTURERS' NEW ORDERS FOR INDUSTRY GROUPS
(Millions of dollars)

Industry	Seasonally adjusted						Not seasonally adjusted[1]						
	Monthly			Percent Change			Monthly				Percent change	Year to date	
	Jan. 1993[p]	Dec. 1992[r]	Nov. 1992	Dec.-Jan.	Nov.-Dec.	Oct.-Nov.	Jan. 1993[p]	Dec. 1992[r]	Nov. 1992	Jan. 1992	Jan. 93/92	1993[p]	1992
All manufacturing industries	254,997	258,264	243,426	-1.3	+6.1	-0.6	231,570	251,033	243,504	213,117	+8.7	231,570	213,117
lanufacturing industries													
with unfilled orders	135,555	138,172	127,992	-1.9	+8.0	-2.5	122,524	140,104	128,132	114,215	+7.3	122,524	114,215
without defense capital goods	246,140	250,309	236,667	-1.7	+5.8	-0.3	224,096	240,194	235,444	206,457	+8.5	224,096	206,457
urable goods industries	132,225	135,208	123,271	-2.2	+9.7	-1.6	118,299	133,421	122,785	106,539	+11.0	118,299	106,539
With unfilled orders	106,192	108,768	99,147	-2.4	+9.7	-3.0	95,137	111,889	99,129	88,109	+8.0	95,137	88,109
one, clay, and glass products	5,267	5,116	5,180	+3.0	-1.2	-5.2	4,426	4,157	5,135	4,114	+7.6	4,426	4,114
rimary metals	12,506	11,730	10,724	+6.6	+9.4	+3.2	12,295	11,202	10,663	10,213	+20.4	12,295	10,213
Blast furnaces, steel mills	5,861	5,366	4,638	+9.2	+15.7	+4.2	5,968	5,198	4,511	4,434	+34.6	5,968	4,434
Iron and steel foundries	1,098	1,079	1,063	+1.8	+1.5	+3.9	1,116	838	1,025	905	+23.3	1,116	905
Nonferrous and other primary metals	5,547	5,285	5,023	+5.0	+5.2	+2.1	5,211	5,166	5,127	4,874	+6.9	5,211	4,874
abricated metal products	13,984	14,291	13,577	-2.1	+5.3	-1.1	12,686	13,643	13,184	12,151	+4.4	12,686	12,151
dustrial machinery and equipment	23,145	22,383	21,545	+3.4	+3.9	+4.3	20,243	24,480	20,795	17,928	+12.9	20,243	17,928
Engines and turbines	1,560	1,596	1,539	-2.3	+3.7	+1.2	1,152	2,382	1,624	1,222	-5.7	1,152	1,222
Construction, mining and material handling equipment	2,642	2,459	2,343	+7.4	+5.0	-7.2	2,581	2,369	2,275	2,030	+27.1	2,581	2,030
Metalworking machinery	2,515	2,385	2,297	+5.5	+3.8	+33.2	1,948	2,516	2,321	1,838	+6.0	1,948	1,838
Computer and office equipment	6,501	6,271	6,084	+3.7	+3.1	+9.5	4,957	8,199	5,914	4,086	+21.3	4,957	4,086
lectronic and other electrical equipment	18,890	19,490	18,215	-3.1	+7.0	-3.7	17,274	19,893	18,594	15,375	+12.4	17,274	15,375
Electrical transmission and distribution equipment and industrial apparatus	2,510	2,224	2,365	+12.9	-6.0	-4.7	2,292	2,192	2,264	2,275	+0.7	2,292	2,275
Electric lighting and wiring equipment	1,876	1,853	1,784	+1.2	+3.9	+3.8	1,641	1,958	1,903	1,441	+13.9	1,641	1,441
Communications equipment	3,642	4,638	3,756	-21.5	+23.5	-15.0	3,126	5,505	3,777	3,052	+2.4	3,126	3,052
Electronic components	6,469	6,276	6,029	+3.1	+4.1	+3.3	6,280	6,034	6,012	5,249	+19.6	6,280	5,249
ransportation equipment	33,159	36,241	29,095	-8.5	+24.6	-10.5	28,322	34,821	30,148	25,054	+13.0	28,322	25,054
Aircraft, missiles, space vehicles, and parts	6,738	9,959	6,114	-32.3	+62.9	-41.1	4,497	13,050	6,951	7,268	-38.1	4,497	7,268
Shipbuilding and tanks	2,111	1,353	477	+56.0	+183.6	-23.1	1,866	1,546	416	538	+246.8	1,866	538
struments and related products	10,935	11,538	10,340	-5.2	+11.6	+3.5	9,871	12,935	10,491	9,572	+3.1	9,871	9,572
Search and navigation equipment	3,265	3,275	2,803	-0.3	+16.8	+42.9	2,830	4,400	3,045	2,792	+1.4	2,830	2,792
Measuring and controlling devices	2,630	3,243	2,620	-18.9	+23.8	-2.7	2,479	3,288	2,569	2,543	-2.5	2,479	2,543
Medical instruments and supplies	3,058	2,914	2,906	+4.9	+0.3	-13.2	2,905	2,996	2,830	2,690	+8.0	2,905	2,690
ll other durable goods	14,339	14,419	14,595	-0.6	-1.2	+6.9	13,182	12,290	13,775	12,132	+8.7	13,182	12,132
ondurable goods industries	122,772	123,056	120,155	-0.2	+2.4	+0.6	113,271	117,612	120,719	106,578	+6.3	113,271	106,578
With unfilled orders	29,363	29,404	28,845	-0.1	+1.9	-0.8	27,387	28,215	29,003	26,106	+4.9	27,387	26,106

[p] Preliminary [r] Revised.

[1] Shipments and new orders are the totals for the period and are adjusted for trading-day and calendar-month variations.

(n) When new orders for a prior month are negative because of cancellations, the percentage change calculation is algebraically negative, even though there is a net dollar increase from the prior month to the current month.

Table 3. VALUE OF MANUFACTURERS' UNFILLED ORDERS FOR INDUSTRY GROUPS
(Millions of dollars)

Industry	Seasonally adjusted						Not seasonally adjusted				
	Monthly			Percent Change			Monthly				Percen change
	Jan. 1993[p]	Dec. 1992[r]	Nov. 1992	Dec.-Jan.	Nov.-Dec.	Oct.-Nov.	Jan. 1993[p]	Dec. 1992[r]	Nov. 1992	Jan. 1992	Jan. 93/92
All manufacturing industries	474,704	472,751	471,514	+0.4	+0.3	-1.0	474,726	469,792	468,300	504,547	-5.9
Manufacturing industries without defense capital goods	345,982	345,230	344,090	+0.2	+0.3	-1.1	344,947	341,439	340,710	360,821	-4.4
Durable goods industries	451,332	449,714	448,516	+0.4	+0.3	-1.1	452,032	447,579	445,942	481,961	-6.2
Stone, clay, and glass products	6,404	6,326	6,556	+1.2	-3.5	-2.5	6,137	6,113	6,470	6,230	-1.5
Primary metals	21,860	20,427	19,715	+7.0	+3.6	-1.1	22,025	20,231	18,898	21,197	+3.9
Blast furnaces, steel mills	9,263	8,214	7,561	+12.8	+8.6	-0.6	9,467	8,205	7,220	8,381	+13.0
Iron and steel foundries	2,912	2,851	2,796	+2.1	+2.0	+1.0	2,970	2,775	2,764	2,947	+0.8
Nonferrous and other primary metals	9,685	9,362	9,358	+3.5	0.0	-2.2	9,588	9,251	8,914	9,869	-2.9
Fabricated metal products	23,546	23,497	23,324	+0.2	+0.7	-0.1	23,641	23,289	22,893	24,797	-4.7
Industrial machinery and equipment	50,950	50,739	51,014	+0.4	-0.5	-0.5	51,452	50,437	50,939	54,058	-4.9
Engines and turbines	10,883	10,899	10,925	-0.1	-0.2	-0.1	11,127	11,167	11,181	10,642	+4.6
Construction, mining and material handling equipment	6,126	6,075	6,161	+0.8	-1.4	-0.8	6,298	6,049	6,074	6,325	-0.
Metalworking machinery	6,702	6,849	7,056	-2.1	-2.9	-3.6	6,702	6,849	7,056	8,182	-18
Computer and office equipment	7,810	7,864	7,800	-0.7	+0.8	-2.0	7,537	7,549	7,988	8,988	-16.
Electronic and other electrical equipment	44,051	42,884	42,700	+2.7	+0.4	0.0	43,769	42,104	42,248	42,306	+3.
Electrical transmission and distribution equipment and industrial apparatus	5,811	5,652	5,854	+2.8	-3.5	-0.2	5,841	5,612	5,825	6,548	-10.
Electric lighting and wiring equipment	2,896	2,842	2,787	+1.9	+2.0	+0.5	2,896	2,842	2,787	2,987	-3.
Communications equipment	14,491	14,631	14,392	-1.0	+1.7	-1.4	14,487	14,588	14,448	14,375	+0.
Electronic components	16,183	15,330	15,173	+5.6	+1.0	+2.2	16,005	14,914	14,754	14,118	+13.
Transportation equipment	241,900	244,034	244,286	-0.9	-0.1	-2.0	242,556	244,419	244,501	268,719	-9.
Aircraft, missiles, space vehicles, and parts	210,391	213,511	214,142	-1.5	-0.3	-2.0	211,035	214,019	214,406	234,147	-9.
Shipbuilding and tanks	23,820	22,805	22,553	+4.5	+1.1	-2.5	23,703	22,705	22,554	27,190	-12.
Instruments and related products	54,627	53,943	52,864	+1.3	+2.0	+0.4	55,016	54,281	52,670	57,477	-4.
Search and navigation equipment	36,413	35,909	35,213	+1.4	+2.0	+0.5	36,830	36,276	35,059	39,535	-6.
Measuring and controlling devices	8,849	8,785	8,239	+0.7	+6.6	-0.2	8,849	8,785	8,239	8,828	+0.
Medical instruments and supplies	8,554	8,388	8,557	+2.0	-2.0	+0.5	8,554	8,388	8,557	8,216	+4.
All other durable goods	7,994	7,864	8,057	+1.7	-2.4	+7.1	7,436	6,705	7,323	7,177	+3.
Nondurable goods industries	23,372	23,037	22,998	+1.5	+0.2	+0.4	22,694	22,213	22,358	22,586	+0.

[p] Preliminary. [r] Revised.

Table 4. VALUE OF MANUFACTURERS' INVENTORIES FOR INDUSTRY GROUPS
(Millions of dollars)

Industry	Seasonally adjusted						Not seasonally adjusted				
	Monthly			Percent Change			Monthly				Percent change
	Jan. 1993[P]	Dec. 1992[r]	Nov. 1992	Dec.-Jan.	Nov.-Dec.	Oct.-Nov.	Jan. 1993[P]	Dec. 1992[r]	Nov. 1992	Jan. 1992	Jan. 93/92
All manufacturing industries	378,033	378,926	381,266	-0.2	-0.6	-0.6	377,956	372,815	381,121	383,927	-1.6
Manufacturing industries											
with unfilled orders	249,703	250,532	253,181	-0.3	-1.0	-0.8	247,910	244,672	252,312	259,545	-4.5
without defense capital goods	347,446	348,001	350,579	-0.2	-0.7	-0.4	348,303	343,073	350,247	349,107	-0.2
Durable goods industries	234,193	235,360	237,542	-0.5	-0.9	-0.8	233,100	230,530	237,538	244,639	-4.7
With unfilled orders	216,218	217,239	219,275	-0.5	-0.9	-0.8	214,666	212,352	219,084	225,913	-5.0
Stone, clay, and glass products	7,835	7,846	7,926	-0.1	-1.0	+0.1	7,862	7,741	7,754	7,944	-1.0
Primary metals	19,350	19,332	19,450	+0.1	-0.6	-1.1	19,356	19,381	19,432	19,954	-3.0
Blast furnaces, steel mills	9,601	9,557	9,594	+0.5	-0.4	-0.8	9,707	9,836	9,699	9,969	-2.6
Iron and steel foundries	1,414	1,430	1,443	-1.1	-0.9	+1.3	1,422	1,405	1,392	1,343	+5.9
Nonferrous and other primary metals	8,335	8,345	8,413	-0.1	-0.8	-1.8	8,227	8,140	8,341	8,642	-4.8
Fabricated metal products	22,494	22,615	22,811	-0.5	-0.9	-0.6	22,500	22,162	22,596	22,972	-2.1
Industrial machinery and equipment	43,979	44,328	45,153	-0.8	-1.8	+0.2	43,802	43,090	45,396	45,978	-4.7
Engines and turbines	3,606	3,601	3,613	+0.1	-0.3	+0.7	3,418	3,264	3,795	3,370	+1.4
Farm and garden machinery	2,397	2,409	2,422	-0.5	-0.5	+3.2	2,471	2,412	2,413	2,443	+1.1
Construction, mining and material handling equipment	5,856	5,855	5,913	0.0	-1.0	+1.5	5,903	5,758	5,835	6,319	-6.6
Metalworking machinery	5,272	5,373	5,497	-1.9	-2.3	-2.1	5,214	5,214	5,521	5,616	-7.2
Computer and office equipment	9,357	9,293	9,767	+0.7	-4.9	+0.3	9,226	8,930	9,976	9,694	-4.8
Electronic and other electrical equipment	30,977	30,676	30,688	+1.0	0.0	0.0	30,671	29,833	30,414	30,630	+0.1
Electrical transmission and distribution equipment and industrial apparatus	4,019	4,058	4,155	-1.0	-2.3	-1.0	4,000	3,964	4,152	4,268	-6.3
Household appliances	2,609	2,541	2,585	+2.7	-1.7	-2.8	2,591	2,346	2,505	2,721	-4.8
Electric lighting and wiring equipment	2,904	2,909	2,979	-0.2	-2.3	-0.4	2,805	2,766	2,950	2,860	-1.9
Household audio and video equipment	1,120	1,150	1,194	-2.6	-3.7	-0.7	1,096	1,091	1,131	1,208	-9.3
Communications equipment	7,958	7,602	7,408	+4.7	+2.6	+2.1	7,943	7,520	7,423	7,332	+8.3
Electronic components	8,972	8,962	8,829	+0.1	+1.5	-0.6	8,882	8,812	8,809	8,781	+1.2
Transportation equipment	66,465	67,170	68,171	-1.0	-1.5	-1.9	66,046	65,725	68,674	73,163	-9.7
Motor vehicles and parts	11,314	11,503	12,092	-1.6	-4.9	-2.5	11,655	11,542	12,367	12,777	-8.8
Aircraft, missiles, space vehicles, and parts	50,844	51,428	51,784	-1.1	-0.7	-2.0	50,065	50,020	52,077	55,915	-10.5
Shipbuilding and tanks	1,775	1,810	1,815	-1.9	-0.3	+0.2	1,738	1,733	1,774	2,117	-17.9
Instruments and related products	23,118	23,389	23,275	-1.2	+0.5	-0.9	22,677	22,694	23,320	23,959	-5.4
Search and navigation equipment	6,640	6,867	6,904	-3.3	-0.5	-1.7	6,421	6,596	6,891	7,869	-18.4
Measuring and controlling devices	6,621	6,601	6,534	+0.3	+1.0	-1.1	6,568	6,485	6,559	6,691	-1.8
Medical instruments and supplies	6,248	6,314	6,332	-1.0	-0.3	+0.2	6,179	6,187	6,362	6,014	+2.7
Photographic goods	2,928	2,923	2,865	+0.2	+2.0	-1.0	2,843	2,764	2,878	2,750	+3.4
All other durable goods	19,975	20,004	20,068	-0.1	-0.3	-0.5	20,186	19,904	19,952	20,039	+0.7
Nondurable goods industries	143,840	143,566	143,724	+0.2	-0.1	-0.4	144,856	142,285	143,583	139,288	+4.0
With unfilled orders	33,485	33,293	33,906	+0.6	-1.8	-0.8	33,244	32,320	33,228	33,632	-1.2
Food and kindred products	30,684	30,453	30,538	+0.8	-0.3	-1.0	31,305	30,884	32,044	30,353	+3.1
Meat products	2,922	2,863	2,854	+2.1	+0.3	-1.9	2,887	2,739	2,923	2,697	+7.0
Dairy products	2,755	2,699	2,743	+2.1	-1.6	-2.3	2,716	2,585	2,682	2,499	+8.7
Beverages	5,524	5,675	5,693	-2.7	-0.3	-0.4	5,535	5,615	5,718	5,478	+1.0
All other foods, except fats and oils	17,748	17,628	17,627	+0.7	0.0	-0.8	18,316	18,262	18,895	18,064	+1.4
Tobacco products	6,678	6,782	6,800	-1.5	-0.3	-0.2	7,206	6,938	6,674	6,998	+3.0
Textile mill products	9,172	9,141	9,155	+0.3	-0.2	+0.3	9,117	8,711	8,878	8,658	+5.3
Broadwoven fabrics and other textiles	5,217	5,223	5,257	-0.1	-0.6	-1.4	5,238	5,028	5,180	5,180	+1.1
Paper and allied products	13,438	13,394	13,804	+0.3	-3.0	-0.3	13,596	13,307	13,570	13,786	-1.4
Pulp, paper, and paperboard mill products	5,592	5,541	5,833	+0.9	-5.0	-0.7	5,676	5,540	5,702	5,718	-0.7
Paperboard containers and boxes	3,242	3,222	3,239	+0.6	-0.5	+0.3	3,330	3,277	3,180	3,348	-0.5
Miscellaneous converted paper products	4,604	4,631	4,732	-0.6	-2.1	-0.3	4,590	4,490	4,688	4,720	-2.8
Chemicals and allied products	35,395	35,354	35,247	+0.1	+0.3	+0.2	35,630	35,118	35,050	33,922	+5.0
Industrial chemicals	17,418	17,498	17,609	-0.5	-0.6	+0.1	17,662	17,510	17,354	17,532	+0.7
Drugs, soaps, and toiletries	13,175	13,092	12,934	+0.6	+1.2	0.0	12,964	12,787	12,993	11,684	+11.0
Petroleum and coal products	11,315	11,246	11,296	+0.6	-0.4	-2.5	11,248	11,155	11,590	10,721	+4.9
Rubber and plastics products	11,612	11,611	11,465	0.0	+1.3	+0.7	11,738	11,631	11,393	11,219	+4.6
All other nondurable goods	25,546	25,585	25,419	-0.2	+0.7	-0.4	25,016	24,541	24,384	23,631	+5.9

[P] Preliminary [r] Revised.

Table 5. VALUE OF MANUFACTURERS' SHIPMENTS AND NEW ORDERS FOR TOPICAL SERIES[1]
(Millions of dollars)

Industry	Seasonally adjusted						Not seasonally adjusted [2]						
	Monthly			Percent Change			Monthly				Percent change	Year to date	
	Jan. 1993[p]	Dec. 1992[r]	Nov. 1992	Dec.-Jan.	Nov.-Dec.	Oct.-Nov.	Jan. 1993[p]	Dec. 1992[r]	Nov 1992	Jan. 1992	Jan. 93/92	1993[p]	199
SHIPMENTS													
All manufacturing industries	253,044	257,027	248,160	-1.5	+3.6	+1.5	226,636	249,541	248,832	210,835	+7.5	226,636	210,83
Market categories :													
Automotive equipment	11,532	11,734	10,547	-1.7	+11.3	+4.9	10,296	9,433	10,706	7,868	+30.9	10,296	7,86
Home goods and apparel	18,676	18,386	17,449	+1.6	+5.4	+1.4	16,028	15,636	18,419	13,652	+17.4	16,028	13,65
Consumer staples	56,381	57,000	55,627	-1.1	+2.5	+1.4	51,866	57,015	56,597	49,117	+5.6	51,866	49,11
Machinery and equipment	42,963	44,045	41,613	-2.5	+5.8	+3.2	36,475	47,190	40,946	32,134	+13.5	36,475	32,13
Business supplies	18,810	19,412	18,799	-3.1	+3.3	-1.7	17,540	18,817	19,267	17,038	+2.9	17,540	17,03
Construction materials and supplies	15,783	16,135	15,696	-2.2	+2.8	+1.5	13,548	14,380	15,310	12,595	+7.6	13,548	12,59
Defense products	7,911	8,109	7,892	-2.4	+2.7	+0.6	6,402	9,936	8,253	6,777	-5.5	6,402	6,77
Other materials, supplies and and intermediate products	80,988	82,206	80,537	-1.5	+2.1	+1.3	74,481	77,134	79,334	71,654	+3.9	74,481	71,65
Durable goods industries :													
Nondefense capital goods [3]	33,042	34,188	32,733	-3.4	+4.4	+3.1	27,140	39,456	31,719	24,858	+9.2	27,140	24,85
Excluding aircraft and parts	27,376	27,954	26,527	-2.1	+5.4	+2.1	22,874	31,669	25,698	20,434	+11.9	22,874	20,47
Defense capital goods [4]	7,656	7,858	7,658	-2.6	+2.6	+0.6	6,048	10,076	8,160	6,565	-7.9	6,048	6,56
Durables excluding capital goods	89,909	91,964	87,714	-2.2	+4.8	+2.2	80,658	82,252	87,762	72,879	+10.7	80,658	72,87
Miscellaneous series :													
Producers' durable equipment	84,102	85,426	81,104	-1.5	+5.3	+2.9	73,114	84,409	80,757	64,732	+12.9	73,114	64,7
Household durable goods	7,506	7,620	7,513	-1.5	+1.4	+2.3	6,338	6,961	7,914	5,775	+9.7	6,338	5,7
Information technology industries	14,875	15,264	14,737	-2.5	+3.6	+2.3	12,271	18,709	14,572	11,430	+7.4	12,271	11,4
Health care equipment and products	7,898	8,555	7,849	-7.7	+9.0	+2.4	7,704	8,581	7,694	7,632	+0.9	7,704	7,6
NEW ORDERS													
All manufacturing industries	254,997	258,264	243,426	-1.3	+6.1	-0.6	231,570	251,033	243,504	213,117	+8.7	231,570	213,1
Market categories :													
Automotive equipment	11,564	11,709	10,563	-1.2	+10.8	+5.4	10,363	9,386	10,718	7,899	+31.2	10,363	7,8
Home goods and apparel	19,071	18,376	17,596	+3.8	+4.4	-0.4	17,232	15,234	17,720	14,289	+20.6	17,232	14,2
Consumer staples	56,405	57,011	55,613	-1.1	+2.5	+1.3	51,882	57,060	56,580	49,142	+5.6	51,882	49,1
Machinery and equipment	40,794	44,027	38,013	-7.3	+15.8	-5.5	35,016	46,825	37,255	32,409	+8.0	35,016	32,4
Business supplies	18,795	19,624	18,722	-4.2	+4.8	-1.9	17,590	18,994	19,130	17,010	+3.4	17,590	17,0
Construction materials and supplies	16,026	16,116	15,679	-0.6	+2.8	+0.5	13,800	14,472	15,219	12,783	+8.0	13,800	12,7
Defense products	9,095	8,116	7,118	+12.1	+14.0	-10.9	7,658	10,880	8,412	6,753	+13.4	7,658	6,7
Other materials, supplies and and intermediate products	83,247	83,285	80,122	0.0	+3.9	+1.0	78,029	78,182	78,470	72,832	+7.1	78,029	72,8
Durable goods industries :													
Nondefense capital goods [3]	30,619	34,044	28,597	-10.1	+19.0	-9.7	25,494	38,946	27,686	25,510	-0.1	25,494	25,51
Excluding aircraft and parts	27,703	28,004	26,053	-1.1	+7.5	+0.4	23,978	31,353	25,327	21,798	+10.0	23,978	21,7
Defense capital goods [4]	8,857	7,955	6,759	+11.3	+17.7	-9.1	7,474	10,839	8,060	6,660	+12.2	7,474	6,6
Durables excluding capital goods	92,749	93,209	87,915	-0.5	+6.0	+2.0	85,331	83,636	87,039	74,369	+14.7	85,331	74,3
Miscellaneous series :													
Producers' durable equipment	82,904	86,211	77,613	-3.8	+11.1	-1.5	73,844	84,434	76,555	66,123	+11.7	73,844	66,1
Household durable goods	7,721	7,550	7,634	+2.3	-1.1	0.0	7,279	6,601	7,511	6,319	+15.2	7,279	6,31
Information technology industries	14,683	16,393	14,268	-10.4	+14.9	+2.0	12,113	19,343	14,108	11,276	+7.4	12,113	11,2
Health care equipment and products	8,064	8,385	7,898	-3.8	+6.2	-3.5	7,870	8,410	7,743	7,654	+2.8	7,870	7,65

[p] Preliminary. [r] Revised.

[1] Topical series are regroupings of the separate industry categories.

[2] Shipments and new orders are the totals for the period and are adjusted for trading-day and calendar-month variations

[3] Nondefense capital goods industries include : ordnance and accessories, steam, gas and hydraulic turbines, internal combustion engines; construction, mining, and material handling equipment metalworking machinery; special industry machinery; general industrial machinery; computer and office equipment; refrigeration, heating and service industry machinery; electrical transmission and distribution equipment; electrical industrial apparatus; communications equipment; aircraft, missiles, space vehicles, and engines and parts; ships and tank components; railroad equipment, and search and navigation equipment.

[4] Defense capital goods industries include : ordnance and accessories; communications equipment; aircraft, missiles, space vehicles, and engines and parts; ships, tanks and tank components; and search and navigation equipment.

Table 6. VALUE OF MANUFACTURERS' UNFILLED ORDERS AND TOTAL INVENTORIES FOR TOPICAL SERIES[1]
(Millions of dollars)

Industry	Seasonally adjusted						Not seasonally adjusted				
	Monthly			Percent Change			Monthly				Percent change
	Jan. 1993[p]	Dec. 1992[r]	Nov. 1992	Dec.-Jan.	Nov.-Dec.	Oct.-Nov.	Jan. 1993[p]	Dec. 1992[r]	Nov. 1992	Jan 1992	Jan 93/92
UNFILLED ORDERS											
All manufacturing industries	474,704	472,751	471,514	+0.4	+0.3	-1.0	474,726	469,792	468,300	504,547	-5.9
Market categories :											
Automotive equipment	1,648	1,616	1,641	+2.0	-1.5	+0.9	1,651	1,584	1,630	1,706	-3.2
Home goods and apparel	10,643	10,249	10,259	+3.8	-0.1	+1.5	9,983	8,779	9,181	9,076	+10.0
Consumer staples	1,366	1,341	1,330	+1.9	+0.8	-1.0	1,397	1,381	1,336	1,310	+6.6
Machinery and equipment	198,266	200,435	200,454	-1.1	0.0	-1.8	198,384	199,843	200,207	214,136	-7.4
Business supplies	5,737	5,752	5,541	-0.3	+3.8	-1.4	5,663	5,613	5,436	5,729	-1.2
Construction materials and supplies	14,299	14,056	14,075	+1.7	-0.1	-0.1	14,152	13,900	13,808	14,065	+0.6
Defense products	122,241	121,058	121,050	+1.0	0.0	-0.6	123,459	122,203	121,259	135,999	-9.2
Other materials, supplies and and intermediate products	120,504	118,244	117,164	+1.9	+0.9	-0.4	120,037	116,489	115,443	122,526	-2.0
Durable goods industries :											
Nondefense capital goods [3]	216,867	219,290	219,434	-1.1	-0.1	-1.8	217,273	218,919	219,429	235,253	-7.6
Excluding aircraft and parts	72,730	72,403	72,353	+0.5	+0.1	-0.7	73,136	72,032	72,348	76,027	-3.8
Defense capital goods [4]	128,722	127,521	127,424	+0.9	+0.1	-0.7	129,779	128,353	127,590	143,726	-9.7
Durables excluding capital goods	105,743	102,903	101,658	+2.8	+1.2	+0.2	104,980	100,307	98,923	102,982	+1.9
Miscellaneous series :											
Producers' durable equipment	222,049	223,247	222,462	-0.5	+0.4	-1.5	221,971	221,241	221,216	238,154	-6.8
Household durable goods	5,767	5,552	5,622	+3.9	-1.2	+2.2	5,416	4,475	4,835	5,034	+7.6
Information technology industries	31,998	32,190	31,061	-0.6	+3.6	-1.5	31,720	31,878	31,244	33,487	-5.3
Health care equipment and products	8,583	8,416	8,586	+2.0	-2.0	+0.6	8,582	8,416	8,587	8,244	+4.1
TOTAL INVENTORIES											
All manufacturing industries	378,033	378,926	381,266	-0.2	-0.6	-0.6	377,956	372,815	381,121	383,927	-1.6
Market categories :											
Automotive equipment	6,154	6,188	6,403	-0.5	-3.4	-0.6	6,324	6,152	6,481	6,691	-5.5
Home goods and apparel	29,369	29,493	29,203	-0.4	+1.0	0.0	29,226	28,395	27,931	27,342	+6.9
Consumer staples	59,449	59,326	59,337	+0.2	0.0	-0.9	60,139	59,299	60,626	57,700	+4.2
Machinery and equipment	86,131	86,532	87,960	-0.5	-1.6	0.0	85,728	84,340	88,339	89,223	-3.9
Business supplies	21,720	21,578	21,844	+0.7	-1.2	-1.1	21,464	20,965	21,734	21,647	-0.8
Construction materials and supplies	22,638	22,660	22,740	-0.1	-0.4	-0.2	22,651	22,296	22,497	22,382	+1.2
Defense products	28,775	29,116	28,763	-1.2	+1.2	-3.2	27,992	28,151	28,857	32,848	-14.8
Other materials, supplies and and intermediate products	123,797	124,033	125,016	-0.2	-0.8	-0.5	124,432	123,217	124,656	126,094	-1.3
Durable goods industries :											
Nondefense capital goods [3]	80,975	81,320	82,711	-0.4	-1.7	-0.1	80,489	79,210	83,009	84,511	-4.8
Excluding aircraft and parts	53,093	53,171	54,101	-0.1	-1.7	+0.4	52,626	51,500	54,333	54,812	-4.0
Defense capital goods [4]	30,587	30,925	30,687	-1.1	+0.8	-3.0	29,653	29,742	30,874	34,820	-14.8
Durables excluding capital goods	122,631	123,115	124,144	-0.4	-0.8	-0.7	122,958	121,578	123,655	125,308	-1.9
Miscellaneous series :											
Producers' durable equipment	138,670	139,317	141,726	-0.5	-1.7	-0.3	138,470	136,238	141,844	143,652	-3.6
Household durable goods	12,673	12,701	12,804	-0.2	-0.8	-1.0	12,683	12,210	12,457	12,833	-1.2
Information technology industries	27,983	27,682	27,976	+1.1	-1.1	+0.1	27,654	26,875	28,276	28,041	-1.4
Health care equipment and products	13,400	13,420	13,353	-0.1	+0.5	+0.1	13,220	13,132	13,416	12,371	+6.9

See footnotes at end of table 5.

Table 7. VALUE OF MANUFACTURERS' INVENTORIES, BY STAGE OF FABRICATION, BY INDUSTRY GROUP
(Millions of dollars)

Industry	Seasonally adjusted						Not seasonally adjusted				
	Monthly			Percent Change			Monthly				Percen change
	Jan. 1993[p]	Dec. 1992[r]	Nov. 1992	Dec.-Jan.	Nov.-Dec.	Oct.-Nov.	Jan. 1993[p]	Dec. 1992[r]	Nov. 1992	Jan. 1992	Jan. 93/92
MATERIALS AND SUPPLIES											
All manufacturing industries	118,074	118,395	118,535	-0.3	-0.1	-0.5	119,732	119,406	118,512	120,627	-0.7
Durable goods industries	65,479	65,897	66,120	-0.6	-0.3	-0.3	66,169	66,090	66,196	68,166	-2.9
Stone, clay, and glass products	2,429	2,471	2,470	-1.7	0.0	+0.7	2,453	2,501	2,458	2,474	-0.8
Primary metals	6,234	6,202	6,131	+0.5	+1.2	+0.1	6,335	6,478	6,259	6,301	-0.5
Fabricated metal products	7,866	8,206	8,072	-4.1	+1.7	+1.0	7,924	8,204	7,995	8,124	-2.5
Industrial machinery and equipment	13,892	13,775	13,617	+0.8	+1.2	+0.1	14,107	13,603	13,621	13,456	+4.8
Electronic and other electrical equipment	9,158	9,099	9,076	+0.6	+0.3	+0.8	9,151	9,068	9,004	9,228	-0.8
Transportation equipment	11,372	11,564	12,167	-1.7	-5.0	-2.1	11,498	11,588	12,202	13,891	-17.2
Instruments and related products	7,046	7,095	7,068	-0.7	+0.4	-0.7	7,043	6,936	6,995	6,912	+1.9
Lumber, furniture and miscellaneous durable goods	7,482	7,485	7,519	0.0	-0.5	-0.9	7,658	7,712	7,662	7,780	-1.6
Nondurable goods industries	52,595	52,498	52,415	+0.2	+0.2	-0.8	53,563	53,316	52,316	52,461	+2.
Food and kindred products	10,276	10,178	10,081	+1.0	+1.0	-1.5	10,558	10,404	10,445	10,123	+4.2
Tobacco products	5,256	5,207	5,183	+0.9	+0.5	-1.4	5,708	5,662	5,130	5,503	+3.7
Textile mill products	2,716	2,779	2,745	-2.3	+1.2	-0.5	2,743	2,725	2,622	2,662	+3.0
Paper and allied products	6,649	6,678	6,854	-0.4	-2.6	-0.8	6,768	6,748	6,794	7,022	-3.6
Chemicals and allied products	12,011	11,940	11,870	+0.6	+0.6	-0.2	12,046	11,908	11,810	11,567	+4.
Petroleum and coal products	3,049	2,864	2,864	+6.5	0.0	-2.9	3,020	2,983	2,850	2,761	+9.4
Rubber and plastics products	4,311	4,346	4,319	-0.8	+0.6	-1.1	4,373	4,493	4,372	4,330	+1.0
Apparel, printing and publishing and leather goods	8,327	8,506	8,499	-2.1	+0.1	+0.3	8,347	8,393	8,293	8,493	-1.
WORK IN PROCESS											
All manufacturing industries	131,641	132,335	132,754	-0.5	-0.3	-1.0	129,964	128,545	133,186	136,985	-5.
Durable goods industries	108,636	109,233	109,830	-0.5	-0.5	-1.2	107,025	106,066	110,127	114,887	-6.
Stone, clay, and glass products	1,091	1,103	1,106	-1.1	-0.3	-1.8	1,082	1,053	1,055	1,086	-0.
Primary metals	7,234	7,182	7,245	+0.7	-0.9	-0.3	7,120	7,042	7,136	7,415	-4
Fabricated metal products	7,321	7,255	7,236	+0.9	+0.3	-2.4	7,331	7,006	7,290	7,481	-2.
Industrial machinery and equipment	17,280	17,511	18,204	-1.3	-3.8	-1.3	16,908	16,855	18,519	18,981	-10
Electronic and other electrical equipment	13,836	13,566	13,469	+2.0	+0.7	+0.8	13,671	13,086	13,389	12,949	+5
Transportation equipment	47,292	47,899	47,843	-1.3	+0.1	-1.6	46,583	46,707	47,979	51,067	-8.
Instruments and related products	10,362	10,548	10,540	-1.8	+0.1	-1.7	10,109	10,216	10,620	11,778	14
Lumber, furniture and miscellaneous durable goods	4,220	4,169	4,187	+1.2	-0.4	-0.2	4,221	4,101	4,139	4,130	+2
Nondurable goods industries	23,005	23,102	22,924	-0.4	+0.8	-0.2	22,939	22,479	23,059	22,098	+3.
Food and kindred products	3,638	3,647	3,642	-0.2	+0.1	-0.9	3,752	3,783	3,857	3,654	+2.
Tobacco products	96	85	82	+12.9	+3.7	+24.2	101	85	114	79	+27.
Textile mill products	2,461	2,434	2,436	+1.1	-0.1	+0.2	2,431	2,326	2,405	2,391	+1.
Paper and allied products	1,123	1,108	1,111	+1.4	-0.3	+1.3	1,118	1,095	1,087	1,177	-5.
Chemicals and allied products	5,731	5,720	5,679	+0.2	+0.7	+0.9	5,719	5,528	5,667	5,335	+7.
Petroleum and coal products	2,798	2,915	2,950	-4.0	-1.2	-1.8	2,757	2,823	3,006	2,782	-0.
Rubber and plastics products	1,515	1,523	1,514	-0.5	+0.6	+1.7	1,549	1,499	1,552	1,573	-1.
Apparel, printing and publishing and leather goods	5,643	5,670	5,510	-0.5	+2.9	-1.2	5,512	5,340	5,371	5,107	+7.
FINISHED GOODS											
All manufacturing industries	128,318	128,196	129,977	+0.1	-1.4	-0.4	128,260	124,864	129,423	126,315	+1.
Durable goods industries	60,078	60,230	61,592	-0.3	-2.2	-0.6	59,906	58,374	61,215	61,586	-2.
Stone, clay, and glass products	4,315	4,272	4,350	+1.0	-1.8	+0.3	4,327	4,187	4,241	4,384	-1.
Primary metals	5,882	5,948	6,074	-1.1	-2.1	-3.2	5,901	5,861	6,037	6,238	-5.
Fabricated metal products	7,307	7,154	7,503	+2.1	-4.7	-0.4	7,245	6,952	7,311	7,367	-1.
Industrial machinery and equipment	12,807	13,042	13,332	-1.8	-2.2	+2.5	12,787	12,632	13,256	13,541	-5.
Electronic and other electrical equipment	7,983	8,011	8,143	-0.3	-1.6	-2.2	7,849	7,679	8,021	8,453	-7.
Transportation equipment	7,801	7,707	8,161	+1.2	-5.6	-3.3	7,965	7,430	8,493	8,205	-2.
Instruments and related products	5,710	5,746	5,667	-0.6	+1.4	+0.6	5,525	5,542	5,705	5,269	+4.
Lumber, furniture and miscellaneous durable goods	8,273	8,350	8,362	-0.9	-0.1	-0.3	8,307	8,091	8,151	8,129	+2.
Nondurable goods industries	68,240	67,966	68,385	+0.4	-0.6	-0.2	68,354	66,490	68,208	64,729	+5.
Food and kindred products	16,770	16,628	16,815	+0.9	-1.1	-0.7	16,995	16,697	17,742	16,576	+2.
Tobacco products	1,326	1,490	1,535	-11.0	-2.9	+2.8	1,397	1,191	1,430	1,416	-1.
Textile mill products	3,995	3,928	3,974	+1.7	-1.2	+0.8	3,943	3,660	3,851	3,605	+9.
Paper and allied products	5,666	5,608	5,839	+1.0	-4.0	-0.1	5,710	5,464	5,689	5,587	+2.
Chemicals and allied products	17,653	17,694	17,698	-0.2	0.0	+0.1	17,865	17,682	17,573	17,020	+5.
Petroleum and coal products	5,468	5,467	5,482	0.0	-0.3	-2.6	5,471	5,349	5,734	5,178	+5.
Rubber and plastics products	5,786	5,742	5,632	+0.8	+2.0	+1.8	5,816	5,639	5,469	5,316	+9.
Apparel, printing and publishing and leather goods	11,576	11,409	11,410	+1.5	0.0	-0.6	11,157	10,808	10,720	10,031	+11.

[p] Prelimary. [r] Revised.

Table 8. RATIOS OF MANUFACTURES' INVENTORIES TO SHIPMENTS AND UNFILLED ORDERS TO SHIPMENTS, BY INDUSTRY GROUP
(Based on seasonally adjusted data)

Industry	Inventory / Shipments ratio				Unfilled Orders / Shipments ratio[1]			
	Jan. 1993[P]	Dec. 1992[r]	Nov. 1992	Oct. 1992	Jan 1993[P]	Dec. 1992[r]	Nov. 1992	Oct 1992
All manufacturing industries	1.49	1.47	1.54	1.57	3.55	3.45	3.55	3.64
rable goods industries	1.79	1.76	1.85	1.91	4.32	4.18	4.31	4.44
tone, clay, and glass products	1.51	1.47	1.48	1.42	1.34	1.28	1.33	1.31
rimary metals	1.75	1.75	1.78	1.83	1.97	1.85	1.80	1.86
abricated metal products	1.61	1.60	1.68	1.72	1.86	1.83	1.90	1.94
ndustrial machinery and equipment	1.92	1.96	2.07	2.17	2.34	2.35	2.46	2.60
lectronic and other electrical equipment	1.75	1.59	1.69	1.66	2.49	2.22	2.35	2.30
ransportation equipment	1.88	1.84	2.00	2.14	12.66	12.15	12.46	13.30
nstruments and related products	2.26	2.24	2.30	2.33	5.33	5.16	5.22	5.22
ondurable goods industries	1.17	1.17	1.20	1.21	0.81	0.78	0.80	0.79
ood and kindred products	0.91	0.91	0.91	0.93	(X)	(X)	(X)	(X)
obacco products	2.16	2.14	2.51	2.83	(X)	(X)	(X)	(X)
extile mill products	1.46	1.49	1.55	1.54	(NA)	(NA)	(NA)	(NA)
aper and allied products	1.29	1.25	1.32	1.34	(NA)	(NA)	(NA)	(NA)
hemicals and allied products	1.42	1.38	1.43	1.44	(X)	(X)	(X)	(X)
etroleum and coal products	0.88	0.86	0.85	0.88	(X)	(X)	(X)	(X)
ubber and plastics products	1.29	1.30	1.29	1.30	(X)	(X)	(X)	(X)

[P] Preliminary. [r] Revised. (X) Not applicable. (NA) Not available.

[1] Excludes the following industries with no unfilled orders : Wood and lumber products; glass containers; metal cans, barrels and drums; farm and garden machinery; motor vehicle assembly perations; other transportation equipment; foods and related products; tobacco; knitting mill products; apparel and related products; chemicals; petroleum and coal products; and rubber and plastics oducts.

Table 9. REVISIONS TO PREVIOUSLY PUBLISHED MONTHLY PERCENT CHANGES
(Based on seasonally adjusted data)

Industry	Shipments			New orders			Unfilled orders			Inventories		
	Jan.[1] 1993	Jan.[2] 1988-1992	Jan. 1992-Dec. 1992	Jan.[1] 1993	Jan.[2] 1988-1992	Jan. 1992-Dec. 1992	Jan.[1] 1993	Jan.[2] 1988-1992	Jan. 1992-Dec. 1992	Jan.[1] 1993	Jan.[2] 1988-1992	Jan. 1992-Dec. 1992
All manufacturing industries	(X)	0.2	0.2	(X)	0.3	0.3	(X)	0.0	0.1	(X)	0.0	0.1
rable goods industries	-0.3	0.2	0.3	-0.5	0.3	0.6	0.0	0.1	0.1	(X)	0.0	0.1
tone, clay, and glass products	(X)	0.2	0.7	(X)	0.3	1.3	(X)	0.1	0.5	(X)	0.2	0.2
rimary metals	-0.3	0.1	0.2	-0.4	0.4	0.9	-0.1	0.1	0.3	(X)	0.1	0.1
abricated metal products	(X)	0.5	0.4	(X)	0.6	0.7	(X)	0.2	0.4	(X)	0.1	0.2
ndustrial machinery and equipment	-0.5	0.3	0.4	-1.4	0.4	0.4	-0.3	0.1	0.1	(X)	0.0	0.1
lectronic and other electrical equipment	-0.7	0.1	0.4	0.1	0.6	0.6	0.4	0.1	0.1	(X)	0.1	0.1
ransportation equipment	0.1	0.1	0.7	-0.3	0.2	1.8	-0.1	0.0	0.2	(X)	0.1	0.2
nstruments and related products	(X)	0.4	0.9	(X)	0.7	0.8	(X)	0.2	0.1	(X)	0.1	0.1
ondurable goods industries	(X)	0.3	0.1	(X)	0.3	0.1	(X)	0.5	0.5	(X)	0.0	0.2
ood and kindred products	(X)	0.1	0.3	(X)	(X)	(X)	(X)	(X)	(X)	(X)	0.1	0.4
obacco products	(X)	0.7	2.5	(X)	(X)	(X)	(X)	(X)	(X)	(X)	0.1	0.1
extile mill products	(X)	0.4	0.5	(X)	(NA)	(NA)	(X)	(NA)	(NA)	(X)	0.2	0.4
aper and allied products	(X)	0.2	0.2	(X)	(NA)	(NA)	(X)	(NA)	(NA)	(X)	0.2	0.4
hemicals and allied products	(X)	0.3	0.2	(X)	(X)	(X)	(X)	(X)	(X)	(X)	0.3	0.2
etroleum and coal products	(X)	0.5	0.2	(X)	(X)	(X)	(X)	(X)	(X)	(X)	0.3	0.2
ubber and plastics products	(X)	0.3	0.3	(X)	(X)	(X)	(X)	(X)	(X)	(X)	0.2	0.2
ital goods industries :												
ondefense	-0.3	0.2	0.6	-0.8	0.4	1.0	-0.1	0.1	0.1	(X)	0.1	0.1
efense	-0.4	0.1	1.1	-0.8	0.7	5.3	-0.1	0.0	0.2	(X)	0.0	0.4

(X) Not applicable. (NA) Not available.

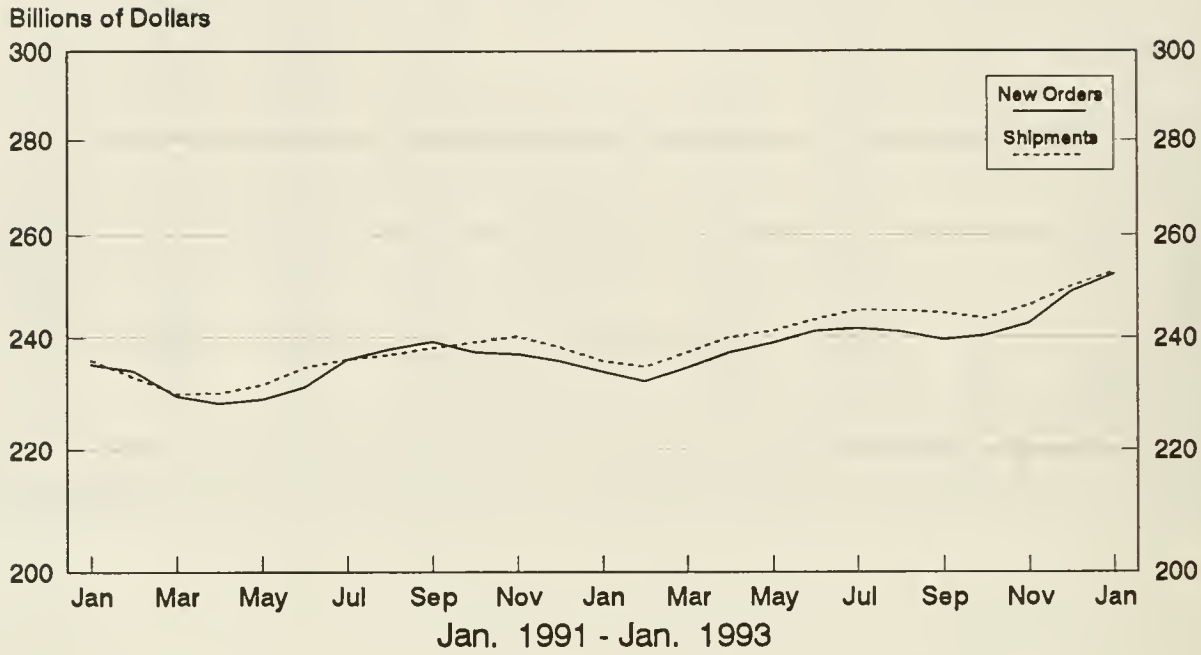
Note : The five year end the twelve month revisions are the differences between the month-to-month percent changes of the preliminary and final estimates. The monthly averages are the simple rages of the absolute values of the differences for the months specified. The advance to final percent change revisions for the durable goods industries are shown in the advance report for the month.

[1] The current month revisions are the difference between the advance precent change and the percent change as shown in this publication.

[2] Average for this month for the last five years.

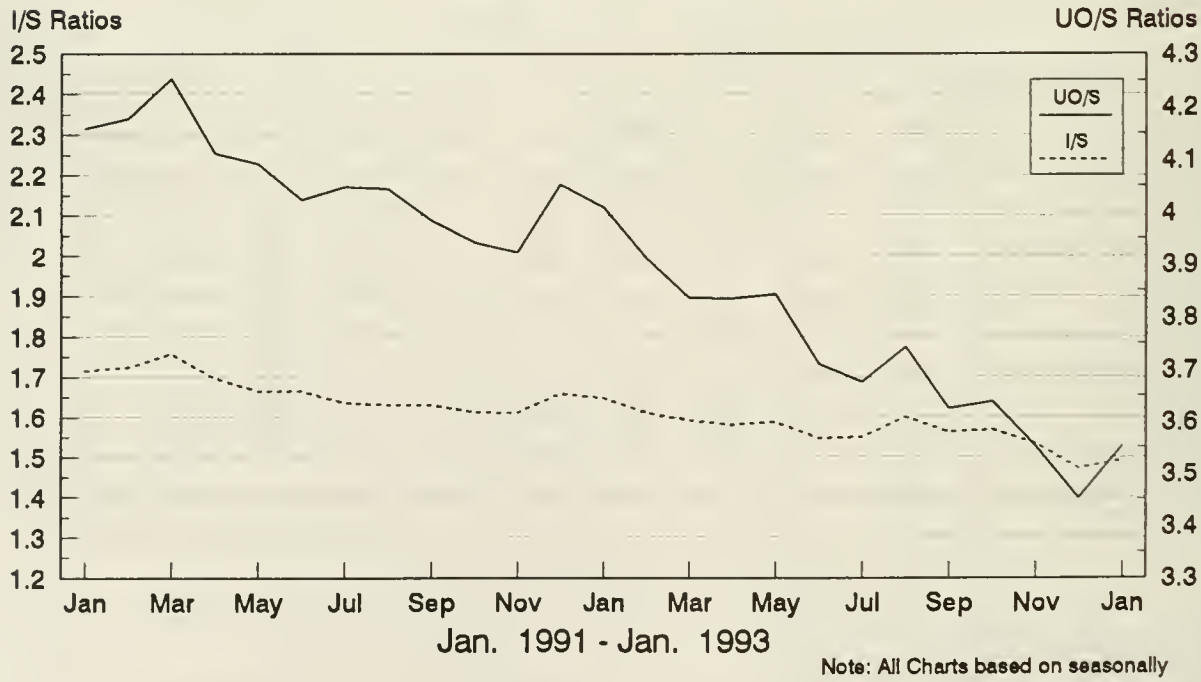
Total Manufacturing

New Orders and Shipments
Three Month Moving Averages



Total Manufacturing

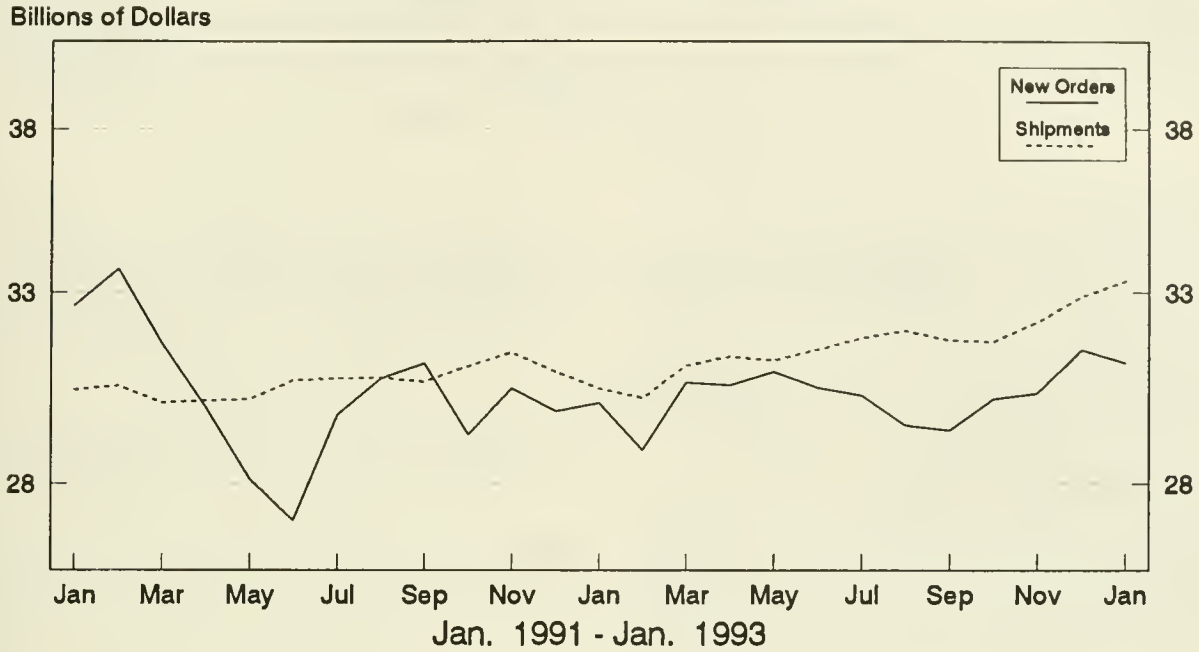
Ratio of Unfilled Orders and
Inventories to Shipments



Note: All Charts based on seasonally adjusted current dollars.

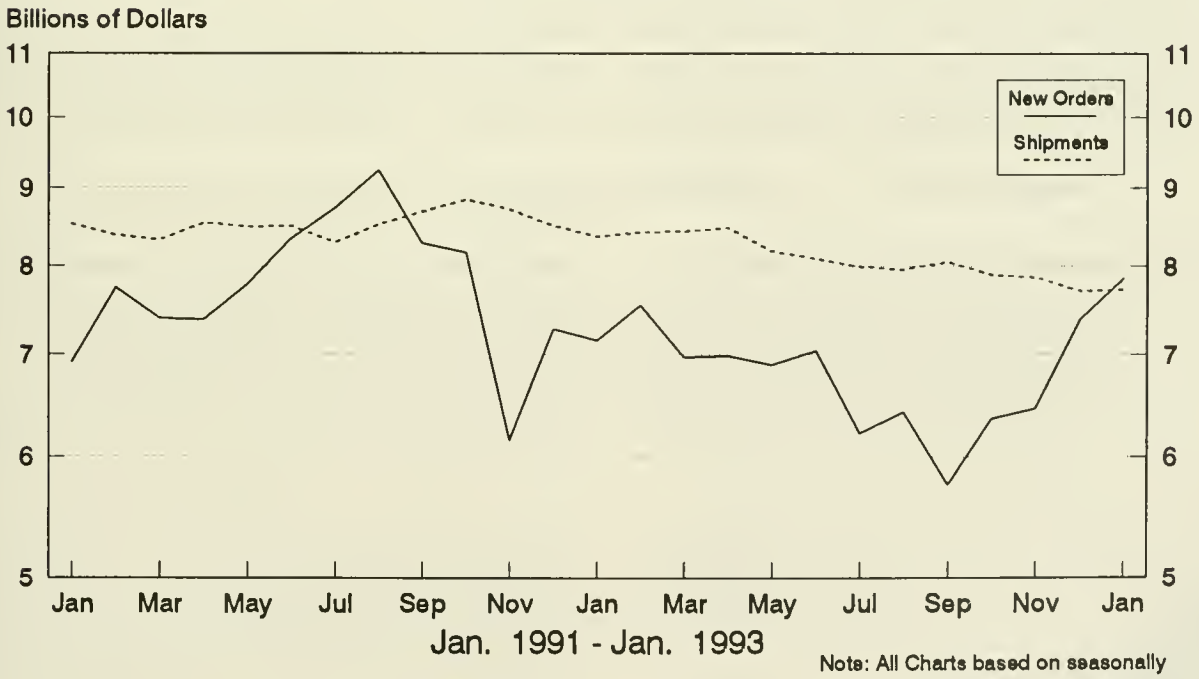
Nondefense Capital Goods

New Orders and Shipments
Three Month Moving Averages



Defense Capital Goods

New Orders and Shipments
Three Month Moving Averages



Note: All Charts based on seasonally adjusted current dollars.

U.S. Department of Commerce
BUREAU OF THE CENSUS
Washington, D.C. 20233

Official Business
Penalty for Private Use, $300

POSTAGE AND FEE
U S DEPARTMENT OF COM
COM

First Class Mai

PUBLICATION DATES FOR THE 1993 MONTHLY M3 SURVEY
MANUFACTURERS' SHIPMENTS, INVENTORIES, AND ORDERS

Report Covering	Advance Report Release Dates (8:30 a.m. release time)	Regular Report Release Dates (10:00 a.m. release time)
December 1992	Fri., Jan. 29	Thurs., Feb. 4
January 1993	Wed., Feb. 24	Thurs., Mar. 4
February 1993	Wed., Mar. 24	Wed., Mar. 31
March 1993	Fri., Apr. 23	Fri., Apr. 30
April 1993	Wed., May 26	Fri., June 4
May 1993	Wed., June 23	Wed., June 30
June 1993	Wed., July 28	Thurs., Aug. 5
July 1993	Wed., Aug. 25	Thurs., Sept. 2
August 1993	Fri., Sept. 24	Fri., Oct. 1
September 1993	Wed., Oct. 27	Thurs., Nov. 4
October 1993	Wed., Nov. 24	Fri., Dec. 3
November 1993	Thurs., Dec. 23	

The Manufacturers' Shipments, Inventories, and Orders press release can be faxed to you on the day of issue at a cost of $120 per year. The fee is to cover the subscription service, wire transmission, and administrative costs. If you wish to subscribe to this service, or would like more information, please call Sandy Sollinger at (301) 763-2604.

158: M 3-1(93)-2
3 and 4 on Su Doc Fiche
nt Industrial Reports, Manufac...
JUL 27 1993

Manufacturers' Shipments, Inventories, and Orders

S. Department of Commerce
UREAU OF THE CENSUS

February 1993
M3-1-(93)-2
For Wire Transmissions 10:00 a.m. E.S.T. March 31, 1993

Steve Andrews or Kathy Menth
(301)763-2502 or (301)763-2575

Note: All figures in text are in seasonally adjusted current dollars

Summary

New orders for manufactured goods in February increased $3.6 billion or 1.4 percent to a new high of $258.6 billion, the Department of Commerce, Bureau of the Census reported today. This follows a 1.3 percent decrease in January and 6.1 percent increase in December and is the fourth increase in the last six months. Excluding defense, new orders were up $5.8 billion or 2.3 percent.

Shipments increased $4.2 billion or 1.6 percent to a new high of $257.2 billion, following a 1.6 percent decline in January and 3.6 percent increase in December. Like new orders, this is the fourth increase in the last six months.

Unfilled orders increased $1.4 billion or 0.3 percent to $476.2 billion, the fourth increase in the last five months. Excluding defense, unfilled orders increased $2.7 billion or 0.8 percent. The unfilled orders-to-shipments ratio decreased from 3.56 in January to 3.51 in February.

Inventories increased $0.2 billion or 0.1 percent to $378.7 billion, following a 0.1 percent decline in January. This is the first increase since August 1992. The inventories-to-shipments ratio decreased from 1.50 in January to 1.47 in February, matching the December 1992 ratio, the lowest on record.

New Orders

New orders for durable goods in February increased $3.2 billion or 2.4 percent to a new high of $135.3 billion. This follows a 2.3 percent decrease in January and a 9.7 percent increase in December, and is the fourth increase in the last six months.

Transportation equipment had the largest increase, up $3.6 billion or 10.8 percent to $36.8 billion, as increases in aircraft and parts, motor vehicles and parts, and railroad equipment more than offset a decline in shipbuilding and tanks. This follows an 8.3 percent decrease in January. Industrial machinery and equipment, up $0.4 billion or 1.5 percent to $23.5 billion, has increased four consecutive months. The largest declines were in electronic and other electrical equipment, down $0.7 billion or 3.7 percent to $18.2 billion, and instruments and related products, down $0.7 billion or 6.4 percent to $10.2 billion. Primary metals declined $0.2 billion or 1.5 percent to $12.3 billion, following four consecutive monthly increases.

New orders for nondurable goods increased $0.4 billion or 0.3 percent to $123.3 billion, following a 0.1 percent decrease in January. This is the third increase in the last four months. Increases, led by petroleum and coal products, chemicals and allied products, and printing and publishing more than offset declines, led by textile mill products and tobacco products.

Shipments

Shipments of durable goods in February increased $3.5 billion or 2.7 percent to $134.0 billion, following a 2.6 percent decrease in January. Transportation equipment had the largest increase, up $1.1 billion or 3.2 percent to $36.4 billion, primarily due to motor vehicles and parts. Electronic and other electrical equipment increased $0.9 billion or 5.1 percent to $18.6 billion, with increases in nearly all categories. Lumber and wood products, primary metals, and stone, clay, and glass products also had large increases.

Shipments of nondurable goods increased $0.7 billion or 0.5 percent to $123.2 billion, following a 0.4 percent decrease in January. This is the third increase in the last four months. The largest increase was in petroleum and coal products, up $0.6 billion or 4.4 percent to $13.6 billion. Chemicals and allied products was up $0.5 billion or 2.2 percent to $25.8 billion. Tobacco products had the largest decrease, down $0.3 billion or 9.5 percent to $2.8 billion.

Unfilled Orders

Unfilled orders for durable goods in February increased $1.3 billion or 0.3 percent to $452.7 billion. This is the fourth increase in the last five months. The largest increase was in primary metals, up $0.8 billion or 3.8 percent to $22.7 billion, following a 6.8 percent increase in January. Transportation equipment was up $0.4 billion or 0.2 percent to $242.3 billion, following three consecutive monthly declines. The largest decrease was in electronic and other electrical equipment, down $0.4 billion or 1.0 percent to $43.6 billion, following eight monthly increases. Unfilled orders for nondurable goods, up $0.1 billion or 0.3 percent to $23.4 billion, have increased for five consecutive months.

Inventories

Inventories for durable goods in February increased $0.4 billion or 0.2 percent to $234.8 billion. Like total manufacturing, this is the first increase since August 1992. Lumber and wood products had the largest increase. Transportation equipment was up $0.1 billion or 0.2 percent to $66.6 billion. This is the first increase in four months. Nondurable goods decreased $0.2 billion or 0.1 percent to $143.9 billion following a 0.4 percent increase in January. This is the third decline in the last four months.

By stage of fabrication, finished goods increased 0.7 percent in durables and decreased 0.2 percent in nondurables. Work in process was down 0.1 percent in durables and up 0.8 percent in nondurables. Materials and supplies increased 0.1 percent in durables and decreased 0.4 percent in nondurables.

(SEE BACK PAGE FOR UPCOMING REVISIONS)

The advance report on durable goods for March is scheduled for April 23, 1993 at 8:30 a.m. and the full report on April 30, 1993 at 10:00 a.m. For sale by the Superintendent of Documents, U.S. Government Printing Office, Washington, DC 20402. This report is also available the day of issue through the Department of Commerce's online Economic Bulletin Board (N-8-1) (202-482-3870) and through the Census Bureau's online information service-CENDATA. CENDATA is available from Dialog Information Services, Inc. (1-800-334-2564) and CompuServe (1-800-848-8199). The CENDATA staff at the Bureau of the Census (301-763-2074) can provide content information and general guidance.

Table I. VALUE OF MANUFACTURERS' SHIPMENTS FOR INDUSTRY GROUPS
(Millions of dollars)

Industry	Seasonally adjusted						Not seasonally adjusted[1]						
	Monthly			Percent Change			Monthly				Percent change	Year to date	
	Feb. 1993[p]	Jan. 1993[r]	Dec. 1992	Jan.-Feb.	Dec.-Jan.	Nov.-Dec.	Feb. 1993[p]	Jan. 1993[r]	Dec. 1992	Feb. 1992	Feb. 93/92	1993[p]	199
All manufacturing industries	257,189	253,021	257,027	+1.6	-1.6	+3.6	252,096	226,456	249,541	233,875	+7.8	478,552	444,71
Manufacturing Industries													
with unfilled orders	135,644	133,287	136,935	+1.8	-2.7	+3.2	132,644	117,354	138,612	125,582	+5.6	249,998	237,51
without defense capital goods	249,269	245,349	249,169	+1.6	-1.5	+3.6	244,646	220,426	239,465	225,726	+8.4	465,072	429,99
Durable goods industries	133,981	130,465	134,010	+2.7	-2.6	+4.6	131,771	113,591	131,784	120,146	+9.7	245,362	224,44
With unfilled orders	106,624	104,242	107,570	+2.2	-3.1	+3.5	105,959	90,402	110,252	97,721	+6.4	194,361	183,59
Stone, clay, and glass products	5,453	5,120	5,346	+6.5	-4.2	-0.1	4,990	4,351	4,514	4,496	+11.0	9,341	8,63
Primary metals	11,481	11,115	11,018	+3.3	+0.9	+0.6	11,423	10,514	9,869	11,060	+3.3	21,937	21,42
Blast furnaces, steel mills	5,106	4,860	4,713	+5.1	+3.1	+0.7	5,065	4,735	4,213	4,730	+7.1	9,800	9,33
Iron and steel foundries	1,059	1,045	1,024	+1.3	+2.1	-1.0	1,047	930	827	983	+6.5	1,977	1,84
Nonferrous and other primary metals	5,316	5,210	5,281	+2.0	-1.3	+0.9	5,311	4,849	4,829	5,347	-0.7	10,160	10,2
Fabricated metal products	13,906	13,867	14,118	+0.3	-1.8	+3.8	13,739	12,279	13,247	13,068	+5.1	26,018	24,6
Industrial machinery and equipment	22,935	22,855	22,658	+0.4	+0.9	+4.0	22,020	19,107	24,982	19,325	+13.9	41,127	36,2
Engines and turbines	1,705	1,567	1,622	+8.8	-3.4	+4.4	1,577	1,192	2,396	1,353	+16.6	2,769	2,4
Farm and garden machinery	1,314	1,200	1,046	+9.5	+14.7	-2.3	1,487	1,148	947	1,321	+12.6	2,635	2,4
Construction, mining and material handling equipment	2,717	2,627	2,545	+3.4	+3.2	+6.5	2,777	2,331	2,394	2,186	+27.0	5,108	4,0
Metalworking machinery	2,321	2,569	2,592	-9.7	-0.9	+1.2	2,279	2,025	2,723	2,031	+12.2	4,304	3,6
Computer and office equipment	6,702	6,539	6,207	+2.5	+5.3	-0.5	5,744	4,935	8,638	4,812	+19.4	10,679	9,1
Electronic and other electrical equipment	18,598	17,689	19,306	+5.1	-8.4	+6.1	18,376	15,593	20,037	16,601	+10.7	33,969	31,2
Electrical transmission and distribution equipment and industrial apparatus	2,412	2,354	2,426	+2.[illegible]	-3.0	+2.1	2,464	2,071	2,405	2,298	+7.2	4,535	4,3
Household appliances	1,704	1,523	1,713	+11.[illegible]	-11.[illegible]	+0.9	1,619	1,348	1,621	1,442	+12.3	2,967	2,6
Electric lighting and wiring equipment	1,846	1,824	1,798	+1.[illegible]	+1.4	+1.5	1,881	1,591	1,903	1,701	+10.6	3,472	3,1
Household audio and video equipment	1,034	1,034	1,039	0.0	-0.5	-1.9	920	842	996	930	-1.1	1,762	1,7
Communications equipment	3,896	3,762	4,399	+3.6	-14.5	+11.1	3,805	3,210	5,365	3,491	+9.0	7,015	6,5
Electronic components	6,002	5,613	6,119	+6.9	-8.3	+7.3	6,116	5,184	5,874	5,333	+14.7	11,300	10,2
Transportation equipment	36,449	35,303	36,493	+3.2	-3.3	+7.2	36,669	30,167	34,903	32,721	+12.1	66,836	58,6
Motor vehicles and parts	24,027	23,204	23,345	+3.5	-0.6	+9.8	24,830	20,720	18,853	19,626	+26.5	45,550	35,5
Aircraft, missiles, space vehicles, and parts	9,758	9,755	10,590	0.0	-7.9	+1.4	9,202	7,471	13,437	10,830	-15.0	16,673	18,9
Shipbuilding and tanks	1,128	1,077	1,101	+4.7	-2.2	+4.6	1,111	842	1,395	1,125	-1.2	1,953	1,9
Instruments and related products	10,295	10,159	10,459	+1.3	-2.9	+3.2	9,911	9,045	11,324	9,885	+0.3	18,956	18,9
Search and navigation equipment	2,762	2,699	2,579	+2.3	+4.7	-1.4	2,552	2,192	3,183	2,672	-4.5	4,744	4,8
Measuring and controlling devices	2,759	2,567	2,697	+7.5	-4.8	+2.2	2,712	2,423	2,742	2,555	+6.1	5,135	5,0
Medical instruments and supplies	2,782	2,842	3,083	-2.1	-7.8	+7.8	2,788	2,701	3,165	2,834	-1.6	5,489	5,5
Photographic goods	1,627	1,662	1,746	-2.1	-4.8	+4.5	1,495	1,396	1,907	1,493	+0.1	2,891	2,8
All other durable goods	14,864	14,357	14,612	+3.5	-1.7	+3.9	14,643	12,535	12,908	12,990	+12.7	27,178	24,5
Nondurable goods industries	123,208	122,556	123,017	+0.5	-0.4	+2.5	120,325	112,865	117,757	113,729	+5.8	233,190	220,2
With unfilled orders	29,020	29,045	29,365	-0.1	-1.1	+2.2	28,685	26,952	28,360	27,861	+3.0	55,637	53,9
Food and kindred products	33,470	33,580	33,422	-0.3	+0.5	-0.1	32,870	30,961	32,812	31,778	+3.4	63,831	61,0
Meat products	7,700	7,948	7,483	[illegible]	[illegible]	-1.4	7,469	7,356	7,353	7,032	+6.2	14,825	13,7
Dairy products	4,328	4,214	4,301	+2.7	-2.0	-1.3	4,185	3,937	4,147	4,088	+2.4	8,122	7,9
Beverages	4,714	4,732	4,789	-0.4	-1.2	+1.5	4,266	4,065	4,423	4,191	+1.8	8,331	8,0
All other foods, except fats and oils	14,805	14,941	14,984	-0.9	0.3	-0.3	15,027	13,858	15,024	14,716	+2.1	28,885	27,7
Tobacco products	2,751	3,041	3,171	-9.5	-4.1	+17.0	2,096	1,979	3,852	2,013	+4.1	4,075	3,7
Textile mill products	6,161	6,316	6,143	-2.5	+2.8	+3.7	5,936	5,443	5,567	5,759	+3.1	11,379	10,8
Broadwoven fabrics and other textiles	3,902	4,047	3,758	-3.6	+7.7	+2.5	3,801	3,547	3,526	3,715	+2.3	7,348	7,0
Paper and allied products	10,365	10,410	10,705	-0.4	-2.8	+2.1	10,389	10,086	10,281	10,437	-0.5	20,475	20,4
Pulp, paper, and paperboard mill products	4,322	4,378	4,425	-1.3	-1.1	-2.7	4,378	4,255	4,353	4,474	-2.1	8,633	8,7
Paperboard containers and boxes	2,476	2,420	2,513	+2.3	-3.7	-0.2	2,451	2,349	2,350	2,451	0.0	4,800	4,8
Miscellaneous converted paper products	3,567	3,612	3,767	-1.2	-4.1	+10.1	3,560	3,482	3,578	3,512	+1.4	7,042	6,9
Chemicals and allied products	25,763	25,218	25,642	+2.2	-1.7	+4.3	25,772	24,207	24,373	24,040	+7.2	49,979	47,7
Industrial chemicals	13,422	13,091	12,952	+2.5	+1.1	+0.2	13,637	12,420	12,101	12,608	+8.2	26,057	24,7
Drugs, soaps, and toiletries	9,430	9,369	10,096	+0.7	-7.2	+9.9	9,411	9,293	10,010	8,664	+8.6	18,704	17,8
Petroleum and coal products	13,584	13,006	13,139	+4.4	-1.0	-0.6	12,221	12,048	12,867	11,259	+8.5	24,269	22,2
Rubber and plastics products	9,173	9,035	8,943	+1.5	+1.0	+0.8	9,163	8,332	7,916	8,945	+2.4	17,495	17,2
All other nondurable goods	21,941	21,950	21,852	0.0	+0.4	+5.0	21,878	19,809	20,089	19,498	+12.2	41,687	37,7

[p] Preliminary. [r] Revised.

[1] Shipments and new orders are the totals for the period and are adjusted for trading-day and calendar-month variations.

Table 2. VALUE OF MANUFACTURERS' NEW ORDERS FOR INDUSTRY GROUPS
(Millions of dollars)

Industry	Seasonally adjusted						Not seasonally adjusted[1]						
	Monthly			Percent Change			Monthly				Percent change	Year to date	
	Feb. 1993[p]	Jan. 1993[r]	Dec. 1992	Jan.-Feb.	Dec.-Jan.	Nov.-Dec.	Feb. 1993[p]	Jan. 1993[r]	Dec. 1992	Feb. 1992	Feb. 93/92	1993[p]	1992
All manufacturing industries	258,605	255,018	258,264	+1.4	-1.3	+6.1	254,855	231,502	251,033	230,845	+10.4	486,357	443,962
Manufacturing industries													
With unfilled orders	137,060	135,284	138,172	+1.3	-2.1	+8.0	135,403	122,400	140,104	122,552	+10.5	257,803	236,767
Without defense capital goods	251,986	246,220	250,309	+2.3	-1.6	+5.8	249,186	223,993	240,194	225,240	+10.6	473,179	431,697
Durable goods industries	135,330	132,123	135,208	+2.4	-2.3	+9.7	134,120	118,154	133,421	116,923	+14.7	252,274	223,462
With unfilled orders	107,973	105,900	108,768	+2.0	-2.6	+9.7	106,308	94,965	111,889	94,498	+12.5	201,273	182,607
Stone, clay, and glass products	5,629	5,251	5,116	+7.2	+2.6	-1.2	5,557	4,370	4,157	4,603	+20.7	9,927	8,717
Primary metals	12,317	12,509	11,730	-1.5	+6.6	+9.4	12,592	12,298	11,202	11,385	+10.6	24,890	21,598
Blast furnaces, steel mills	5,915	5,906	5,366	+0.2	+10.1	+15.7	6,168	6,010	5,198	4,754	+29.7	12,178	9,188
Iron and steel foundries	1,063	1,094	1,079	-2.8	+1.4	+1.5	954	1,117	838	836	+14.1	2,071	1,741
Nonferrous and other primary metals	5,339	5,509	5,285	-3.1	+4.2	+5.2	5,470	5,171	5,166	5,795	-5.6	10,641	10,669
Fabricated metal products	13,806	13,929	14,291	-0.9	-2.5	+5.3	13,566	12,678	13,643	12,929	+4.9	26,244	25,080
Industrial machinery and equipment	23,470	23,112	22,383	+1.5	3.3	+3.9	22,618	20,168	24,480	19,274	+17.3	42,786	37,202
Engines and turbines	1,673	1,541	1,596	+8.6	-3.4	+3.7	1,361	1,152	2,382	1,178	+15.5	2,513	2,400
Construction, mining and material handling equipment	2,786	2,688	2,459	+3.6	+9.3	+5.0	2,877	2,579	2,369	2,249	+27.9	5,456	4,279
Metalworking machinery	2,308	2,423	2,385	-4.7	+1.6	+3.8	2,266	1,879	2,516	2,087	+8.6	4,145	3,925
Computer and office equipment	7,124	6,512	6,271	+9.4	+3.8	+3.1	6,270	4,937	8,199	4,678	+34.0	11,207	8,764
Electronic and other electrical equipment	18,174	18,879	19,490	-3.7	-3.1	+7.0	18,640	17,274	19,893	16,925	+10.1	35,914	32,300
Electrical transmission and distribution equipment and industrial apparatus	2,452	2,505	2,224	-2.1	+12.6	-6.0	2,527	2,296	2,192	2,214	+14.1	4,823	4,489
Electric lighting and wiring equipment	1,898	1,898	1,853	0.0	+2.4	+3.9	1,933	1,665	1,958	1,699	+13.8	3,598	3,140
Communications equipment	3,708	3,619	4,638	+2.5	-22.0	+23.5	3,668	3,120	5,505	3,356	+9.3	6,788	6,408
Electronic components	5,693	6,484	6,276	-12.2	+3.3	+4.1	6,215	6,270	6,034	5,728	+8.5	12,485	10,977
Transportation equipment	36,825	33,223	36,241	+10.8	-8.3	+24.6	36,725	28,380	34,821	29,186	+25.8	65,105	54,240
Aircraft, missiles, space vehicles, and parts	10,289	6,602	9,959	+55.8	-33.7	+62.9	9,433	4,499	13,050	7,429	+27.0	13,932	14,697
Shipbuilding and tanks	717	2,138	1,353	-66.5	+58.0	+183.6	678	1,883	1,546	563	+20.4	2,561	1,101
Instruments and related products	10,177	10,869	11,538	-6.4	-5.8	+11.6	9,555	9,869	12,935	9,482	+0.8	19,424	19,054
Search and navigation equipment	2,691	3,129	3,275	-14.0	-4.5	+16.8	2,250	2,741	4,400	2,491	-9.7	4,991	5,283
Measuring and controlling devices	2,837	2,621	3,243	+8.2	-19.2	+23.8	2,790	2,477	3,288	2,397	+16.4	5,267	4,940
Medical instruments and supplies	2,527	3,112	2,914	-18.8	+6.8	+0.3	2,533	2,971	2,996	2,819	-10.1	5,504	5,509
All other durable goods	14,932	14,351	14,419	+4.0	-0.5	-1.2	14,867	13,117	12,290	13,139	+13.2	27,984	25,271
Nondurable goods industries	123,275	122,895	123,056	+0.3	-0.1	+2.4	120,735	113,348	117,612	113,922	+6.0	234,083	220,500
With unfilled orders	29,087	29,384	29,404	-1.0	-0.1	+1.9	29,095	27,435	28,215	28,054	+3.7	56,530	54,160

[p] Preliminary. [r] Revised.

[1] Shipments and new orders are the totals for the period and are adjusted for trading-day and calendar-month variations.

(n) When new orders for a prior month are negative because of cancellations, the percentage change calculation is algebraically negative, even though there is a net dollar increase from the prior month to the current month.

Table 3. VALUE OF MANUFACTURERS' UNFILLED ORDERS FOR INDUSTRY GROUPS
(Millions of dollars)

Industry	Seasonally adjusted						Not seasonally adjusted				
	Monthly			Percent Change			Monthly				Percent change
	Feb. 1993[P]	Jan. 1993[r]	Dec. 1992	Jan.-Feb.	Dec.-Jan.	Nov.-Dec.	Feb. 1993[P]	Jan. 1993[r]	Dec. 1992	Feb. 1992	Feb. 93/92
All manufacturing industries	476,164	474,748	472,751	+0.3	+0.4	+0.3	477,597	474,838	469,792	501,517	-4.8
Manufacturing industries without defense capital goods	348,818	346,101	345,230	+0.8	+0.3	+0.3	349,546	345,006	341,439	360,335	-3.0
Durable goods industries	452,721	451,372	449,714	+0.3	+0.4	+0.3	454,491	452,142	447,579	478,738	-5.1
Stone, clay, and glass products	6,633	6,457	6,326	+2.7	+2.1	-3.5	6,699	6,132	6,113	6,337	+5.7
Primary metals	22,657	21,821	20,427	+3.8	+6.8	+3.6	23,184	22,015	20,231	21,522	+7.7
Blast furnaces, steel mills	10,069	9,260	8,214	+8.7	+12.7	+8.6	10,583	9,480	8,205	8,405	+25.9
Iron and steel foundries	2,904	2,900	2,851	+0.1	+1.7	+2.0	2,869	2,962	2,775	2,800	+2.5
Nonferrous and other primary metals	9,684	9,661	9,362	+0.2	+3.2	0.0	9,732	9,573	9,251	10,317	-5.7
Fabricated metal products	23,459	23,559	23,497	-0.4	+0.3	+0.7	23,515	23,688	23,289	24,658	-4.6
Industrial machinery and equipment	51,531	50,996	50,739	+1.0	+0.5	-0.5	52,096	51,498	50,437	54,007	-3.5
Engines and turbines	10,841	10,873	10,899	-0.3	-0.2	-0.2	10,911	11,127	11,167	10,467	+4.2
Construction, mining and material handling equipment	6,205	6,136	6,075	+1.1	+1.0	-1.4	6,397	6,297	6,049	6,388	+0.1
Metalworking machinery	6,690	6,703	6,849	-0.2	-2.1	-2.9	6,690	6,703	6,849	8,238	-18.8
Computer and office equipment	8,259	7,837	7,864	+5.4	-0.3	+0.8	8,077	7,551	7,549	8,854	-8.8
Electronic and other electrical equipment	43,650	44,074	42,884	-1.0	+2.8	+0.4	44,049	43,785	42,104	42,630	+3.3
Electrical transmission and distribution equipment and industrial apparatus	5,843	5,803	5,652	+0.7	+2.7	-3.5	5,900	5,837	5,612	6,464	-8.7
Electric lighting and wiring equipment	2,968	2,916	2,842	+1.8	+2.6	+2.0	2,968	2,916	2,842	2,985	-0.6
Communications equipment	14,300	14,488	14,631	-1.3	-1.0	+1.7	14,361	14,498	14,588	14,240	+0.8
Electronic components	15,892	16,201	15,330	-1	+5.7	+1.0	16,099	16,000	14,914	14,513	+10.9
Transportation equipment	242,330	241,954	244,034	+0.	-0.9	-0.1	242,688	242,632	244,419	265,184	-8.5
Aircraft, missiles, space vehicles, and parts	210,889	210,358	213,511	+0.3	-1.5	-0.3	211,278	211,047	214,019	230,746	-8.4
Shipbuilding and tanks	23,455	23,866	22,605	-1.7	+4.7	+1.1	23,313	23,746	22,705	26,628	-12.4
Instruments and related products	54,535	54,653	53,943	0.2	+1.3	+2.0	54,749	55,105	54,281	57,074	-4.1
Search and navigation equipment	36,268	36,339	35,909	-0.2	+1.2	+2.0	36,523	36,825	36,276	39,354	-7.2
Measuring and controlling devices	8,917	8,839	8,785	+0.9	+0.6	+6.6	8,917	8,839	8,785	8,670	+2.8
Medical instruments and supplies	8,403	8,658	8,388	-2.9	+3.2	-2.0	8,403	8,658	8,388	8,201	+2.5
All other durable goods	7,926	7,858	7,864	+0.9	-0.1	-2.4	7,511	7,287	6,705	7,326	+2.5
Nondurable goods industries	23,443	23,376	23,037	+0.3	+1.5	+0.2	23,106	22,696	22,213	22,779	+1.4

[P] Preliminary. [r] Revised.

Table 4. VALUE OF MANUFACTURERS' INVENTORIES FOR INDUSTRY GROUPS
(Millions of dollars)

Industry	Seasonally adjusted						Not seasonally adjusted				
	Monthly			Percent Change			Monthly				Percent change
	Feb. 1993[p]	Jan. 1993[r]	Dec. 1992	Jan.-Feb.	Dec.-Jan.	Nov.-Dec.	Feb. 1993[p]	Jan. 1993[r]	Dec. 1992	Feb. 1992	Feb. 93/92
All manufacturing industries	378,658	378,452	378,926	+0.1	-0.1	-0.6	381,401	378,030	372,815	385,716	-1.1
Manufacturing industries											
With unfilled orders	249,726	249,850	250,532	0.0	-0.3	-1.0	250,757	247,859	244,672	260,696	-3.8
Without defense capital goods	348,439	347,964	348,001	+0.1	0.0	-0.7	351,638	348,453	343,073	350,677	+0.3
Durable goods industries	234,773	234,363	235,360	+0.2	-0.4	-0.9	236,538	233,005	230,530	245,863	-3.8
With unfilled orders	216,408	216,360	217,239	0.0	-0.4	-0.9	217,364	214,602	212,352	226,972	-4.2
Stone, clay, and glass products	7,831	7,853	7,846	-0.3	+0.1	-1.0	8,056	7,876	7,741	8,172	-1.4
Primary metals	19,345	19,323	19,332	+0.1	0.0	-0.6	19,343	19,311	19,381	19,778	-2.2
Blast furnaces, steel mills	9,628	9,607	9,557	+0.2	+0.5	-0.4	9,589	9,699	9,836	9,824	-2.4
Iron and steel foundries	1,422	1,383	1,430	+2.8	-3.3	-0.9	1,442	1,386	1,405	1,393	+3.5
Nonferrous and other primary metals	8,295	8,333	8,345	-0.5	-0.1	-0.8	8,312	8,226	8,140	8,561	-2.9
Fabricated metal products	22,322	22,385	22,615	-0.3	-1.0	-0.9	22,505	22,386	22,162	22,956	-2.0
Industrial machinery and equipment	44,095	44,102	44,328	0.0	-0.5	-1.8	44,563	43,875	43,090	46,068	-3.3
Engines and turbines	3,576	3,598	3,601	-0.6	-0.1	-0.3	3,513	3,417	3,264	3,490	+0.7
Farm and garden machinery	2,322	2,389	2,409	-2.8	-0.8	-0.5	2,464	2,466	2,412	2,465	0.0
Construction, mining and material handling equipment	5,854	5,862	5,855	-0.1	+0.1	-1.0	5,965	5,903	5,758	6,294	-5.2
Metalworking machinery	5,433	5,342	5,373	+1.7	-0.6	-2.3	5,422	5,278	5,214	5,624	-3.6
Computer and office equipment	9,493	9,379	9,293	+1.2	+0.9	-4.9	9,531	9,230	8,930	9,624	-1.0
Electronic and other electrical equipment	31,128	31,041	30,676	+0.3	+1.2	0.0	31,162	30,661	29,833	31,020	+0.5
Electrical transmission and distribution equipment and industrial apparatus	4,051	4,029	4,058	+0.5	-0.7	-2.3	4,071	3,999	3,964	4,328	-5.9
Household appliances	2,640	2,639	2,541	0.0	+3.9	-1.7	2,735	2,611	2,346	2,875	-4.9
Electric lighting and wiring equipment	2,873	2,904	2,909	-1.1	-0.2	-2.3	2,839	2,807	2,766	2,913	-2.5
Household audio and video equipment	1,108	1,119	1,150	-1.0	-2.7	-3.7	1,098	1,094	1,091	1,226	-10.4
Communications equipment	7,998	7,960	7,602	+0.5	+4.7	+2.6	7,981	7,935	7,520	7,255	+10.0
Electronic components	9,099	8,995	8,962	+1.2	+0.4	+1.5	9,035	8,863	8,812	8,894	+1.6
Transportation equipment	66,600	66,481	67,170	+0.2	-1.0	-1.5	67,199	65,971	65,725	73,646	-8.8
Motor vehicles and parts	11,388	11,339	11,503	+0.4	-1.4	-4.9	11,865	11,619	11,542	12,732	-6.8
Aircraft, missiles, space vehicles, and parts	50,869	50,873	51,428	0.0	-1.1	-0.7	50,899	50,075	50,020	56,346	-9.7
Shipbuilding and tanks	1,842	1,780	1,810	+3.5	-1.7	-0.3	1,816	1,742	1,733	2,147	-15.4
Instruments and related products	23,136	23,154	23,389	-0.1	-1.0	+0.5	23,084	22,718	22,694	24,152	-4.4
Search and navigation equipment	6,595	6,634	6,867	-0.6	-3.4	-0.5	6,583	6,421	6,596	7,857	-16.2
Measuring and controlling devices	6,665	6,641	6,601	+0.4	+0.6	+1.0	6,645	6,586	6,485	6,773	-1.9
Medical instruments and supplies	6,254	6,262	6,314	-0.1	-0.8	-0.3	6,285	6,193	6,187	6,090	+3.2
Photographic goods	2,928	2,934	2,923	-0.2	+0.4	+2.0	2,878	2,850	2,764	2,781	+3.5
All other durable goods	20,316	20,024	20,004	+1.5	+0.1	-0.3	20,626	20,207	19,904	20,071	+2.8
Nondurable goods industries	143,885	144,089	143,566	-0.1	+0.4	-0.1	144,863	145,025	142,285	139,853	+3.6
With unfilled orders	33,318	33,490	33,293	-0.5	+0.6	-1.8	33,393	33,257	32,320	33,724	-1.0
Food and kindred products	30,644	30,721	30,453	-0.3	+0.9	-0.3	30,833	31,302	30,884	30,184	+2.2
Meat products	2,950	2,933	2,863	+0.6	+2.4	+0.3	3,000	2,896	2,739	2,775	+8.1
Dairy products	2,754	2,766	2,699	-0.4	+2.5	-1.6	2,691	2,704	2,585	2,572	+4.6
Beverages	5,496	5,526	5,675	-0.5	-2.6	-0.3	5,523	5,535	5,615	5,454	+1.3
All other foods, except fats and oils	17,756	17,758	17,628	0.0	+0.7	0.0	17,863	18,316	18,262	17,779	+0.5
Tobacco products	6,692	6,679	6,782	+0.2	-1.5	-0.3	7,194	7,210	6,938	6,982	+3.0
Textile mill products	9,156	9,170	9,141	-0.2	+0.3	-0.2	9,256	9,109	8,711	8,850	+4.6
Broadwoven fabrics and other textiles	5,162	5,212	5,223	-1.0	-0.2	-0.6	5,250	5,233	5,028	5,238	+0.2
Fiber and allied products	13,436	13,429	13,394	+0.1	+0.3	-3.0	13,672	13,585	13,307	13,784	-0.8
Pulp, paper, and paperboard mill products	5,565	5,568	5,541	-0.1	+0.5	-5.0	5,715	5,654	5,540	5,741	-0.5
Paperboard containers and boxes	3,290	3,260	3,222	+0.9	+1.2	-0.5	3,303	3,344	3,277	3,244	+1.8
Miscellaneous converted paper products	4,581	4,601	4,631	-0.4	-0.6	-2.1	4,654	4,587	4,490	4,799	-3.0
Chemicals and allied products	35,229	35,401	35,354	-0.5	+0.1	+0.3	35,686	35,669	35,118	34,455	+3.6
Industrial chemicals	17,314	17,428	17,498	-0.7	-0.4	-0.6	17,574	17,689	17,510	17,551	+0.1
Drugs, soaps, and toiletries	13,211	13,184	13,092	+0.2	+0.7	+1.2	13,039	12,975	12,787	12,024	+8.4
Petroleum and coal products	11,360	11,330	11,246	+0.3	+0.7	-0.4	11,119	11,191	11,155	10,690	+4.0
Rubber and plastics products	11,568	11,597	11,611	-0.3	-0.1	+1.3	11,757	11,729	11,631	11,145	+5.5
All other nondurable goods	25,800	25,762	25,585	+0.1	+0.7	+0.7	25,346	25,230	24,541	23,763	+6.7

[p] Preliminary. [r] Revised.

Table 5. VALUE OF MANUFACTURERS' SHIPMENTS AND NEW ORDERS FOR TOPICAL SERIES[1]
(Millions of dollars)

Industry	Seasonally adjusted						Not seasonally adjusted [2]						
	Monthly			Percent Change			Monthly				Percent change	Year to date	
	Feb. 1993[p]	Jan. 1993[r]	Dec. 1992	Jan.-Feb.	Dec.-Jan.	Nov.-Dec.	Feb. 1993[p]	Jan. 1993[r]	Dec. 1992	Feb. 1992	Feb. 93/92	1993[p]	1992
SHIPMENTS													
All manufacturing industries	257,189	253,021	257,027	+1.6	-1.0	+3.6	252,096	226,456	249,541	233,875	+7.8	478,552	444,710
Market categories :													
Automotive equipment	12,052	11,602	11,734	+3.9	-1.1	+11.3	12,368	10,295	9,433	9,739	+27.0	22,663	17,607
Home goods and apparel	18,435	18,623	18,386	-1.0	+1.3	+5.4	18,430	15,976	15,636	15,995	+15.2	34,406	29,647
Consumer staples	56,169	56,321	57,000	-0.3	-1.2	+2.5	54,184	51,891	57,015	51,650	+4.9	106,075	100,767
Machinery and equipment	42,917	42,695	44,045	+0.5	-3.1	+5.8	41,712	36,202	47,190	38,001	+9.8	77,914	70,135
Business supplies	19,470	18,934	19,412	+2.8	-2.5	+3.3	18,968	17,637	18,817	18,044	+5.1	36,605	35,082
Construction materials and supplies	16,507	15,827	16,135	+4.3	-1.9	+2.8	15,567	13,524	14,380	14,067	+10.7	29,091	26,662
Defense products	8,084	7,913	8,109	+2.2	-2.4	+2.7	7,721	6,383	9,936	8,312	-7.1	14,104	15,089
Other materials, supplies and and intermediate products	83,555	81,106	82,206	+3.0	-1.3	+2.1	83,146	74,548	77,134	78,067	+6.5	157,694	149,72
Durable goods industries :													
Nondefense capital goods [3]	32,948	32,700	34,188	+0.8	-4.4	+4.4	31,471	26,885	39,456	29,642	+6.2	58,356	54,50
Excluding aircraft and parts	27,496	27,160	27,954	+1.2	-2.8	+5.4	26,305	22,638	31,669	23,342	+12.7	48,943	43,77
Defense capital goods [4]	7,920	7,672	7,858	+3.2	-2.4	+2.6	7,450	6,030	10,076	8,149	-8.6	13,480	14,71
Durables excluding capital goods	93,113	90,093	91,964	+3.4	-2.0	+4.8	92,850	80,676	82,252	82,355	+12.7	173,526	155,23
Miscellaneous series :													
Producers' durable equipment	85,174	83,976	85,426	+1.4	-1.7	+5.3	84,332	72,907	84,409	75,173	+12.2	157,239	139,90
Household durable goods	7,573	7,577	7,620	-0.1	-0.6	+1.4	7,467	6,404	6,961	6,812	+9.6	13,871	12,58
Information technology industries	15,213	14,750	15,264	+3.1	-3.4	+3.6	13,999	12,140	18,709	12,567	+11.4	26,139	23,99
Health care equipment and products	7,906	7,929	8,555	-0.3	-7.3	+9.0	7,903	7,740	8,581	7,544	+4.8	15,643	15,17
NEW ORDERS													
All manufacturing industries	258,605	255,018	258,264	+1.4	-1.3	+6.1	254,855	231,502	251,033	230,845	+10.4	486,357	443,96
Market categories :													
Automotive equipment	12,071	11,638	11,709	+3.7	0.6	10.8	12,404	10,363	9,386	9,770	+27.0	22,767	17,66
Home goods and apparel	18,534	18,960	18,376	-2.2	+3.2	+4.4	19,054	17,107	15,234	16,417	+16.1	36,161	30,70
Consumer staples	56,214	56,301	57,011	-0.2	-1.2	+2.5	54,187	51,864	57,060	51,608	+5.0	106,051	100,75
Machinery and equipment	44,765	40,710	44,027	+10.0	-7.5	+15.8	43,709	34,912	46,825	36,847	+18.6	78,621	69,25
Business supplies	19,551	18,930	19,624	+3.3	-3.5	+4.8	19,083	17,689	18,994	17,962	+6.2	36,772	34,97
Construction materials and supplies	16,789	16,126	16,116	+4.1	+0.1	+2.8	16,036	13,814	14,472	13,980	+14.7	29,850	26,76
Defense products	6,752	9,008	8,116	-25.0	+11.0	+14.0	5,863	7,693	10,880	5,767	+1.7	13,556	12,52
Other materials, supplies and and intermediate products	83,929	83,345	83,285	+0.7	+0.1	+3.9	84,519	78,060	78,182	78,494	+7.7	162,579	151,32
Durable goods industries :													
Nondefense capital goods [3]	34,718	30,355	34,044	+14.4	-10.8	+19.0	33,339	25,317	38,946	28,262	+18.0	58,656	53,77
Excluding aircraft and parts	28,208	27,538	28,004	+2.4	-1.7	+7.5	27,115	23,793	31,353	23,550	+15.1	50,908	45,34
Defense capital goods [4]	6,619	8,798	7,955	-24.8	+10.6	+17.7	5,669	7,509	10,839	5,605	+1.1	13,178	12,26
Durables excluding capital goods	93,993	92,970	93,209	+1.1	-0.3	+6.0	95,112	85,328	83,636	83,056	+14.5	180,440	157,42
Miscellaneous series :													
Producers' durable equipment	87,534	82,823	86,211	+5.7	-3.9	+11.1	86,985	73,674	84,434	73,624	+18.1	160,659	139,74
Household durable goods	7,586	7,633	7,550	-0.6	+1.1	-1.1	7,719	7,178	6,601	7,045	+9.6	14,897	13,36
Information technology industries	15,726	14,568	16,393	[illegible]	-11.1	+14.9	14,604	11,980	19,343	12,425	+17.5	26,584	23,70
Health care equipment and products	7,651	8,200	8,385	-6.7	[illegible]	+6.2	7,648	8,011	8,410	7,529	+1.6	15,659	15,18

[p] Preliminary. [r] Revised.

[1] Topical series are regroupings of the separate industry categories.

[2] Shipments and new orders are the totals for the period and are adjusted for trading-day and calendar-month variations.

[3] Nondefense capital goods industries include : ordnance and accessories; steam, gas and hydraulic turbines; internal combustion engines; construction, mining, and handling equipment; metalworking machinery; special industry machinery; general industrial machinery; computer and office equipment; refrigeration, heating and industry machinery; electrical transmission and distribution equipment; electrical industrial apparatus; communications equipment; aircraft, missiles, space vehicles, and and parts; ships and tank components; railroad equipment; and search and navigation equipment.

[4] Defense capital goods industries include : ordnance and accessories; communications equipment; aircraft, missiles, space vehicles, and engines and parts; ship and tank components; and search and navigation equipment.

Table 6. VALUE OF MANUFACTURERS' UNFILLED ORDERS AND TOTAL INVENTORIES FOR TOPICAL SERIES[1]
(Millions of dollars)

Industry	Seasonally adjusted						Not seasonally adjusted				
	Monthly			Percent Change			Monthly				Percent change
	Feb. 1993[p]	Jan. 1993[r]	Dec. 1992	[illegible]-Feb.	Dec.-Jan.	Nov.-Dec.	Feb. 1993[p]	Jan. 1993[r]	Dec. 1992	Feb. 1992	Feb. 93/92
UNFILLED ORDERS											
All manufacturing industries	476,164	474,748	472,751	+0.3	+0.4	+0.3	477,597	474,838	469,792	501,517	-4.8
Market categories :											
Automotive equipment	1,671	1,653	1,616	+1.1	+2.3	-1.5	1,688	1,652	1,584	1,737	-2.8
Home goods and apparel	10,686	10,586	10,249	+0.9	+3.3	-0.1	10,534	9,911	8,779	9,498	+10.9
Consumer staples	1,365	1,321	1,341	+3.3	-1.5	+0.8	1,357	1,353	1,381	1,269	+6.9
Machinery and equipment	200,298	198,450	200,435	+0.9	-1.0	0.0	200,550	198,553	199,843	212,983	-5.8
Business supplies	5,829	5,748	5,752	+1.4	-0.1	+3.8	5,780	5,665	5,613	5,646	+2.4
Construction materials and supplies	14,637	14,356	14,056	+2.0	+2.1	-0.1	14,660	14,190	13,900	13,978	+4.9
Defense products	120,819	122,152	121,058	-1.1	+0.9	0.0	121,654	123,513	122,203	133,454	-8.8
Other materials, supplies and and intermediate products	120,859	120,482	118,244	+0.3	+1.9	+0.9	121,374	120,001	116,489	122,952	-1.3
Durable goods industries :											
Nondefense capital goods [3]	218,715	216,945	219,290	+0.8	-1.1	-0.1	219,219	217,351	218,919	233,873	-6.3
Excluding aircraft and parts	73,493	72,781	72,403	+1.0	+0.5	+0.1	73,997	73,187	72,032	76,235	-2.9
Defense capital goods [4]	127,346	128,647	127,521	-1.0	+0.9	+0.1	128,051	129,832	128,353	141,182	-9.3
Durables excluding capital goods	106,660	105,780	102,903	+0.8	+2.8	+1.2	107,221	104,959	100,307	103,683	+3.4
Miscellaneous series :											
Producers' durable equipment	224,454	222,094	223,247	+1.1	-0.5	+0.4	224,661	222,008	221,241	236,605	-5.0
Household durable goods	5,621	5,608	5,552	+0.2	+1.0	-1.2	5,501	5,249	4,475	5,267	+4.4
Information technology industries	32,521	32,008	32,190	+1.6	-0.6	+3.6	32,323	31,718	31,878	33,345	-3.1
Health care equipment and products	8,432	8,687	8,416	-2.9	+3.2	-2.0	8,431	8,686	8,416	8,228	+2.5
TOTAL INVENTORIES											
All manufacturing industries	378,658	378,452	378,926	+0.1	-0.1	-0.6	381,401	378,030	372,815	385,716	-1.1
Market categories :											
Automotive equipment	6,209	6,136	6,188	+1.2	-0.8	-3.4	6,528	6,273	6,152	6,731	-3.0
Home goods and apparel	29,801	29,603	29,493	+0.7	+0.4	+1.0	29,758	29,415	28,395	27,642	+7.7
Consumer staples	59,465	59,507	59,326	-0.1	+0.3	0.0	59,743	60,136	59,299	57,841	+3.3
Machinery and equipment	86,891	86,416	86,532	+0.5	-0.1	-1.6	87,859	85,896	84,340	89,655	-2.0
Business supplies	21,489	21,710	21,578	-1.0	+0.6	-1.2	21,520	21,460	20,965	21,873	-1.6
Construction materials and supplies	22,828	22,680	22,660	+0.7	+0.1	-0.4	23,174	22,667	22,296	22,740	+1.9
Defense products	28,525	28,698	29,116	-0.6	-1.4	+1.2	28,153	27,925	28,151	32,904	-14.4
Other materials, supplies and and intermediate products	123,450	123,702	124,033	-0.2	-0.3	-0.8	124,666	124,258	123,217	126,330	-1.3
Durable goods industries :											
Nondefense capital goods [3]	81,624	81,226	81,320	+0.5	-0.1	-1.7	82,341	80,639	79,210	84,821	-2.9
Excluding aircraft and parts	53,417	53,215	53,171	+0.4	+0.1	-1.7	53,698	52,687	51,500	55,079	-2.5
Defense capital goods [4]	30,219	30,488	30,925	-0.9	-1.4	+0.8	29,763	29,577	29,742	35,039	-15.1
Durables excluding capital goods	122,930	122,649	123,115	+0.2	-0.4	-0.8	124,434	122,789	121,578	126,003	-1.2
Miscellaneous series :											
Producers' durable equipment	139,355	138,922	139,317	+0.3	-0.3	-1.7	140,972	138,525	136,238	144,267	-2.3
Household durable goods	12,685	12,696	12,701	-0.1	0.0	-0.8	12,810	12,685	12,210	12,917	-0.8
Information technology industries	28,222	28,031	27,682	+0.7	+1.3	-1.1	28,209	27,675	26,875	28,068	+0.5
Health care equipment and products	13,425	13,418	13,420	+0.1	0.0	+0.5	13,365	13,239	13,132	12,627	+5.8

See footnotes at end of table 5.

Table 7. VALUE OF MANUFACTURERS' INVENTORIES, BY STAGE OF FABRICATION, BY INDUSTRY GROUP
(Millions of dollars)

Industry	Seasonally adjusted						Not seasonally adjusted				
	Monthly			Percent Change			Monthly				Percent change
	Feb. 1993[p]	Jan. 1993[r]	Dec. 1992	Jan Feb.	Dec.-Jan.	Nov.-Dec.	Feb. 1993[p]	Jan. 1993[r]	Dec. 1992	Feb. 1992	Feb. 93/92
MATERIALS AND SUPPLIES											
All manufacturing industries	117,853	117,993	118,395	-0.1	-0.3	-0.1	118,665	119,614	119,406	119,493	-0.7
Durable goods industries	65,573	65,488	65,897	+0.1	-0.6	-0.3	65,884	66,148	66,090	67,383	-2.2
Stone, clay, and glass products	2,401	2,414	2,471	-0.5	-2.3	0.0	2,424	2,442	2,501	2,443	-0.8
Primary metals	6,124	6,210	6,202	-1.4	+0.1	+1.2	6,056	6,321	6,478	6,056	0.0
Fabricated metal products	7,843	7,841	8,206	0.0	-4.4	+1.7	7,816	7,907	8,204	7,895	-1.0
Industrial machinery and equipment	13,986	13,878	13,775	+0.8	+0.7	+1.2	14,061	14,078	13,603	13,339	+5.4
Electronic and other electrical equipment	9,149	9,159	9,099	-0.1	+0.7	+0.3	9,155	9,146	9,068	9,222	-0.7
Transportation equipment	11,459	11,413	11,564	+0.4	-1.3	-5.0	11,620	11,499	11,588	13,839	-16.0
Instruments and related products	6,989	7,071	7,095	-1.2	-0.3	+0.4	7,046	7,084	6,936	6,957	+1.3
Lumber, furniture and miscellaneous durable goods	7,622	7,502	7,485	+1.6	+0.2	-0.5	7,706	7,671	7,712	7,632	+1.0
Nondurable goods industries	52,280	52,505	52,498	-0.4	0.0	+0.2	52,781	53,466	53,316	52,110	+1.3
Food and kindred products	10,141	10,261	10,178	-1.2	+0.8	+1.0	10,234	10,551	10,404	10,156	+0.8
Tobacco products	5,302	5,250	5,207	+1.0	+0.8	+0.5	5,586	5,702	5,662	5,375	+3.9
Textile mill products	2,712	2,705	2,779	+0.3	-2.7	+1.2	2,760	2,727	2,725	2,699	+2.3
Paper and allied products	6,746	6,690	6,678	+0.8	+0.2	-2.6	6,831	6,812	6,748	6,942	-1.6
Chemicals and allied products	11,724	11,928	11,940	-1.7	-0.1	+0.6	11,761	12,000	11,908	11,556	+1.8
Petroleum and coal products	3,003	2,975	2,864	+0.9	+3.9	0.0	2,929	2,915	2,983	2,729	+7.3
Rubber and plastics products	4,306	4,317	4,346	-0.3	-0.7	+0.6	4,300	4,352	4,493	4,254	+1.1
Apparel, printing and publishing and leather goods	8,346	8,379	8,506	-0.4	-1.5	+0.1	8,380	8,407	8,393	8,399	-0.2
WORK IN PROCESS											
All manufacturing industries	131,921	131,810	132,335	+0.1	-0.4	-0.3	132,133	129,990	128,545	138,045	-4.3
Durable goods industries	108,632	108,704	109,233	-0.1	-0.5	-0.5	108,928	106,989	106,066	115,777	-5.9
Stone, clay, and glass products	1,090	1,092	1,103	-0.2	-1.0	-0.3	1,128	1,081	1,053	1,145	-1.5
Primary metals	7,241	7,239	7,182	0.0	+0.8	-0.9	7,205	7,116	7,042	7,457	-3.4
Fabricated metal products	7,181	7,305	7,255	-1.7	+0.7	+0.3	7,256	7,323	7,006	7,594	-4.5
Industrial machinery and equipment	17,217	17,336	17,511	-0.7	-1.0	-3.8	17,206	16,929	16,855	18,894	-8.9
Electronic and other electrical equipment	13,886	13,865	13,566	+0.2	+2.2	+0.7	13,909	13,678	13,086	13,153	+5.7
Transportation equipment	47,368	47,276	47,899	+0.2	-1.3	+0.1	47,557	46,543	46,707	51,555	-7.8
Instruments and related products	10,417	10,373	10,548	+0.4	-1.7	+0.1	10,365	10,102	10,216	11,796	-12.1
Lumber, furniture and miscellaneous durable goods	4,232	4,218	4,169	3	1 2	-0.4	4,302	4,217	4,101	4,183	+2.8
Nondurable goods industries	23,289	23,106	23,102	+0.8	0.0	+0.8	23,205	23,001	22,479	22,268	+4.2
Food and kindred products	3,591	3,641	3,647	1.4	-0.2	+0.1	3,649	3,759	3,783	3,588	+1.7
Tobacco products	90	93	85	-3.2	+9.4	+3.7	92	100	85	81	+13.6
Textile mill products	2,466	2,463	2,434	+0.1	+1.2	-0.1	2,468	2,431	2,326	2,457	+0.4
Paper and allied products	1,132	1,122	1,108	+0.9	+1.3	-0.3	1,129	1,115	1,095	1,145	-1.4
Chemicals and allied products	5,855	5,734	5,720	+2.1	+0.2	+0.7	5,850	5,717	5,528	5,351	+9.3
Petroleum and coal products	2,904	2,838	2,915	+2.3	-2.6	-1.2	2,812	2,769	2,823	2,849	-1.3
Rubber and plastics products	1,538	1,514	1,523	+1.6	-0.6	+0.6	1,558	1,541	1,499	1,549	+0.6
Apparel, printing and publishing and leather goods	5,713	5,701	5,670	+0.2	+0.5	+2.9	5,647	5,569	5,340	5,248	+7.6
FINISHED GOODS											
All manufacturing industries	128,884	128,649	128,196	+0.2	+0.4	-1.4	130,603	128,426	124,864	128,178	+1.9
Durable goods industries	60,568	60,171	60,230	+0.7	-0.1	-2.2	61,726	59,868	58,374	62,703	-1.6
Stone, clay, and glass products	4,340	4,347	4,272	-0.2	+1.8	-1.8	4,504	4,353	4,187	4,584	-1.7
Primary metals	5,980	5,874	5,948	+1.8	-1.2	-2.1	6,082	5,874	5,861	6,265	-2.9
Fabricated metal products	7,298	7,239	7,154	+0.8	+1.2	-4.7	7,433	7,156	6,952	7,467	-0.5
Industrial machinery and equipment	12,892	12,888	13,042	0.0	-1.2	-2.2	13,296	12,868	12,632	13,835	-3.9
Electronic and other electrical equipment	8,093	8,017	8,011	+0.9	+0.1	-1.6	8,098	7,837	7,679	8,645	-6.3
Transportation equipment	7,773	7,792	7,707	-0.2	+1.1	-5.6	8,022	7,929	7,430	8,252	-2.8
Instruments and related products	5,730	5,710	5,745	[illegible]	-0.6	+1.4	5,673	5,532	5,542	5,399	+5.1
Lumber, furniture and miscellaneous durable goods	8,462	8,304	8,350	+1.9	-0.6	-0.1	8,618	8,319	8,091	8,256	+4.4
Nondurable goods industries	68,316	68,478	67,966	-0.2	+0.8	-0.6	68,877	68,558	66,490	65,475	+5.2
Food and kindred products	16,912	16,819	16,628	+0.6	+1.1	-1.1	16,950	16,992	16,697	16,440	+3.1
Tobacco products	1,300	1,336	1,490	-2.7	-10.3	-2.9	1,516	1,408	1,191	1,526	-0.7
Textile mill products	3,978	4,002	3,928	-0.6	+1.9	-1.2	4,028	3,951	3,660	3,694	+9.0
Paper and allied products	5,558	5,617	5,608	-1.1	+0.2	-4.0	5,712	5,658	5,464	5,697	+0.3
Chemicals and allied products	17,650	17,739	17,694	-0.5	+0.3	0.0	18,075	17,952	17,682	17,548	+3.0
Petroleum and coal products	5,453	5,517	5,467	-1.2	+0.9	-0.3	5,378	5,507	5,349	5,112	+5.2
Rubber and plastics products	5,724	5,766	5,742	-0.7	+0.4	+2.0	5,899	5,836	5,639	5,342	+10.4
Apparel, printing and publishing and leather goods	11,741	11,682	11,409	+0.5	+2.4	0.0	11,319	11,254	10,808	10,116	+11.9

[p] Prelimary. [r] Revised.

Table 8. RATIOS OF MANUFACTURES' INVENTORIES TO SHIPMENTS AND UNFILLED ORDERS TO SHIPMENTS, BY INDUSTRY GROUP
(Based on seasonally adjusted data)

Industry	Inventory / Shipments ratio				Unfilled Orders / Shipments ratio[1]			
	Feb. 1993[p]	Jan. 1993[r]	Dec. 1992	Nov. 1992	Feb. 1993[p]	Jan. 1993[r]	Dec. 1992	Nov. 1992
All manufacturing industries	1.47	1.50	[illegible]	1.54	3.51	3.56	3.45	3.55
rable goods industries	1.75	1.80	1.76	1.85	4.25	4.33	4.18	4.31
tone, clay, and glass products	1.44	1.53	1.47	1.48	1.32	1.37	1.28	1.33
rimary metals	1.68	1.74	1.75	1.78	1.97	1.96	1.85	1.80
abricated metal products	1.61	1.61	1.60	1.68	1.85	1.87	1.83	1.90
ndustrial machinery and equipment	1.92	1.93	1.96	2.07	2.38	2.35	2.35	2.46
lectronic and other electrical equipment	1.67	1.75	1.59	1.69	2.35	2.49	2.22	2.35
ransportation equipment	1.83	1.88	1.84	2.00	12.35	12.73	12.15	12.46
nstruments and related products	2.25	2.28	2.24	2.30	5.30	5.38	5.16	5.22
ndurable goods industries	1.17	1.18	1.17	1.20	0.81	0.80	0.78	0.80
ood and kindred products	0.92	0.91	0.91	0.91	(X)	(X)	(X)	(X)
obacco products	2.43	2.20	2.14	2.51	(X)	(X)	(X)	(X)
extile mill products	1.49	1.45	1.49	1.55	(NA)	(NA)	(NA)	(NA)
aper and allied products	1.30	1.29	1.25	1.32	(NA)	(NA)	(NA)	(NA)
hemicals and allied products	1.37	1.40	1.38	1.43	(X)	(X)	(X)	(X)
etroleum and coal products	0.84	0.87	0.86	0.85	(X)	(X)	(X)	(X)
ubber and plastics products	1.26	1.28	1.30	1.29	(X)	(X)	(X)	(X)

[p] Preliminary. [r] Revised. (X) Not applicable. (NA) Not available.

[1] Excludes the following industries with no unfilled orders : Wood and lumber products; glass containers; metal cans, barrels and drums; farm and garden machinery; otor vehicle assembly operations; other transportation equipment; foods and related products; tobacco; knitting mill products; apparel and related products; chemicals; etroleum and coal products; and rubber and plastics products.

Table 9. REVISIONS TO PREVIOUSLY PUBLISHED MONTHLY PERCENT CHANGES
(Based on seasonally adjusted data)

Industry	Shipments			New orders			Unfilled orders			Inventories		
	Feb.[1] 1993	Feb.[2] 1988-1992	Feb. 1992-Jan. 1993	Feb. 1993	Feb.[2] 1988-1992	Feb. 1992-Jan. 1993	Feb.[1] 1993	Feb.[2] 1988-1992	Feb. 1992-Jan. 1993	Feb.[1] 1993	Feb.[2] 1988-1992	Feb. 1992-Jan. 1993
All manufacturing industries	(X)	0.0	0.2	(X)	0.1	0.3	(X)	0.0	0.1	(X)	0.1	0.1
rable goods industries	0.1	0.1	0.3	0.2	0.2	0.6	0.0	0.1	0.1	(X)	0.0	0.1
tone, clay, and glass products	(X)	0.7	0.8	(X)	0.8	1.3	(X)	0.2	0.6	(X)	0.1	0.3
rimary metals	0.2	0.2	0.3	1.0	0.7	0.8	0.4	0.3	0.3	(X)	0.2	0.1
abricated metal products	(X)	0.2	0.6	(X)	0.2	0.9	(X)	0.2	0.4	(X)	0.1	0.3
ndustrial machinery and equipment	0.0	0.4	0.4	-0.1	0.3	0.4	0.0	0.3	0.1	(X)	0.2	0.1
lectronic and other electrical equipment	0.0	0.2	0.4	0.4	0.3	0.6	0.1	0.1	0.1	(X)	0.1	0.1
ransportation equipment	0.1	0.2	0.7	-0.1	0.5	1.8	0.0	0.1	0.2	(X)	0.1	0.2
nstruments and related products	(X)	0.3	0.9	(X)	0.6	0.9	(X)	0.1	0.1	(X)	0.0	0.2
ndurable goods industries	(X)	0.1	0.1	(X)	0.1	0.1	(X)	0.3	0.5	(X)	0.1	0.2
ood and kindred products	(X)	0.1	0.3	(X)	(X)	(X)	(X)	(X)	(X)	(X)	0.1	0.4
obacco products	(X)	0.1	2.6	(X)	(X)	(X)	(X)	(X)	(X)	(X)	0.0	0.1
extile mill products	(X)	0.5	0.5	(X)	(NA)	(NA)	(X)	(NA)	(NA)	(X)	0.2	0.4
aper and allied products	(X)	0.5	0.2	(X)	(NA)	(NA)	(X)	(NA)	(NA)	(X)	0.2	0.4
hemicals and allied products	(X)	0.5	0.3	(X)	(X)	(X)	(X)	(X)	(X)	(X)	0.1	0.2
etroleum and coal products	(X)	0.4	0.3	[illegible]	(X)	(X)	(X)	(X)	(X)	(X)	0.2	0.3
ubber and plastics products	(X)	0.5	0.3	(X)	(X)	(X)	(X)	(X)	(X)	(X)	0.1	0.2
pital goods industries :												
ondefense	0.0	0.3	0.6	[illegible]	0.3	1.1	0.0	0.1	0.1	(X)	0.1	0.1
efense	0.7	0.3	1.2	[illegible]	1.2	5.3	-0.1	0.0	0.2	(X)	0.1	0.4

(X) Not applicable. (NA) Not available.

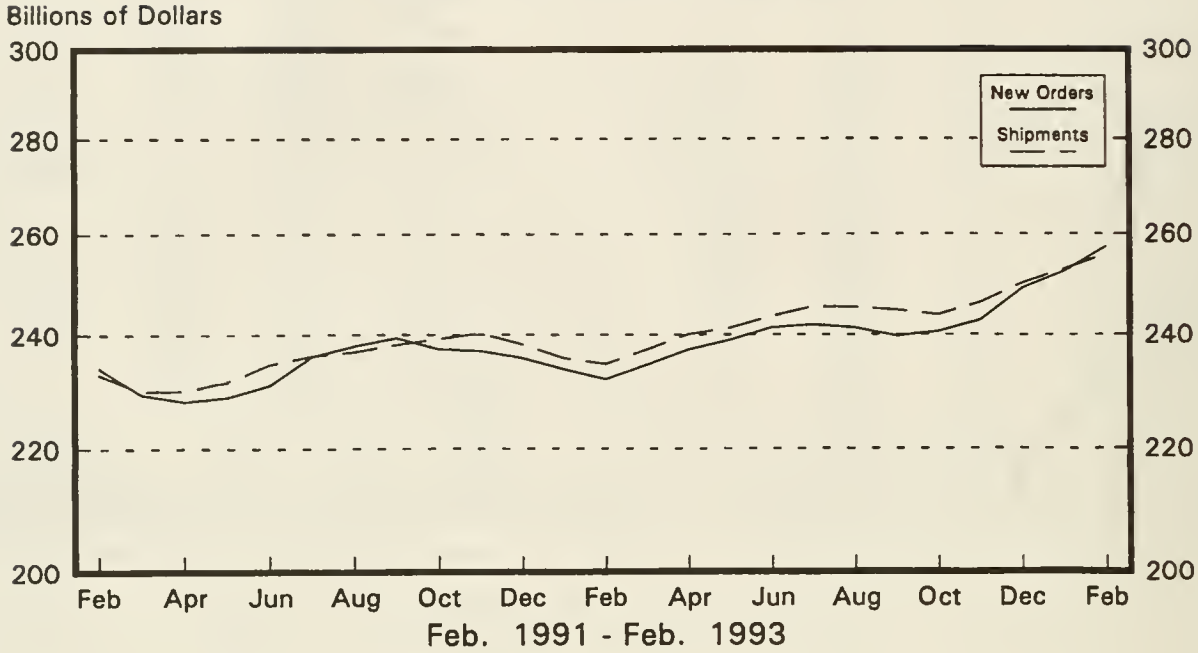
Note : The five year and the twelve month revisions are the differences between the month-to-month percent changes of the preliminary and final estimates. The onthly averages are the simple averages of the absolute values of the differences for the months specified. The advance to final percent change revisions for the urable goods industries are shown in the advance report for the month.

[1] The current month revisions are the difference between the advance precent change and the percent change as shown in this publication.

[2] Average for this month for the last five years.

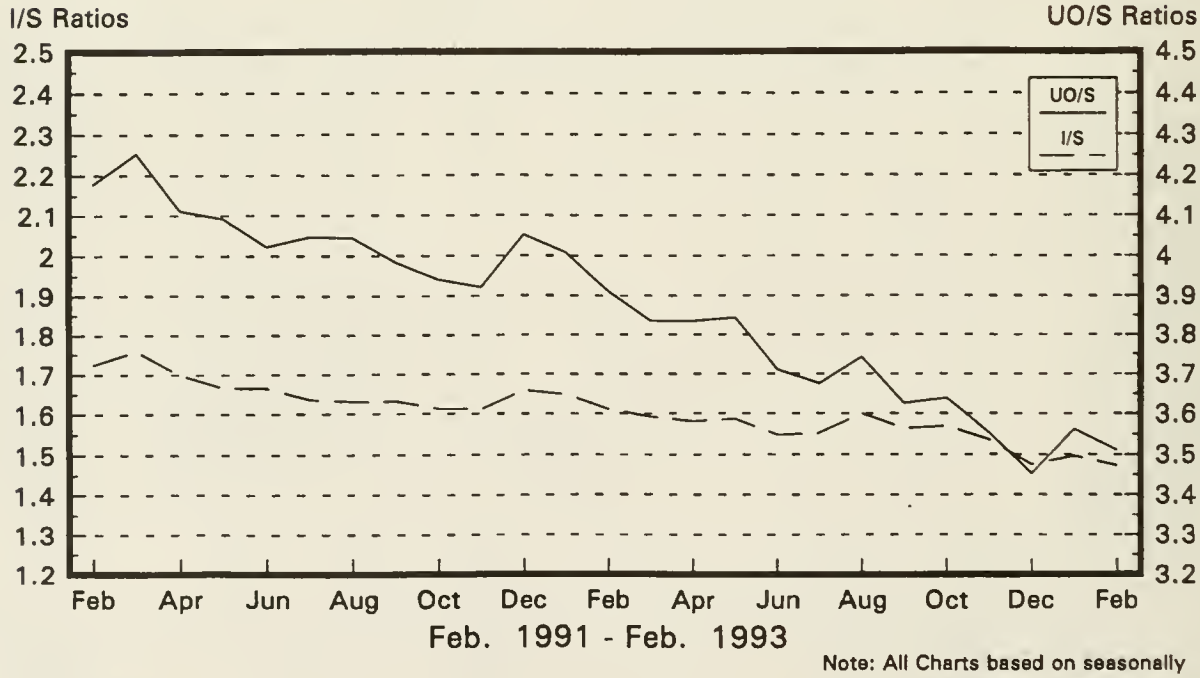
Total Manufacturing

New Orders and Shipments
Three Month Moving Averages



Total Manufacturing

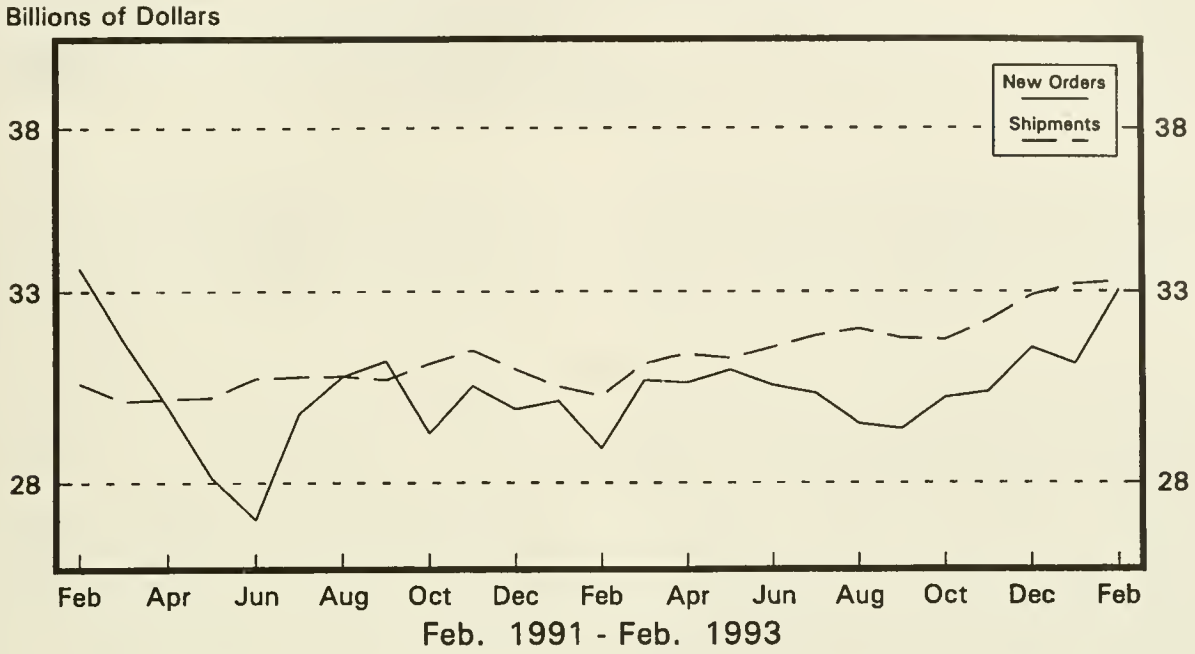
Ratio of Unfilled Orders and
Inventories to Shipments



Note: All Charts based on seasonally adjusted current dollars.

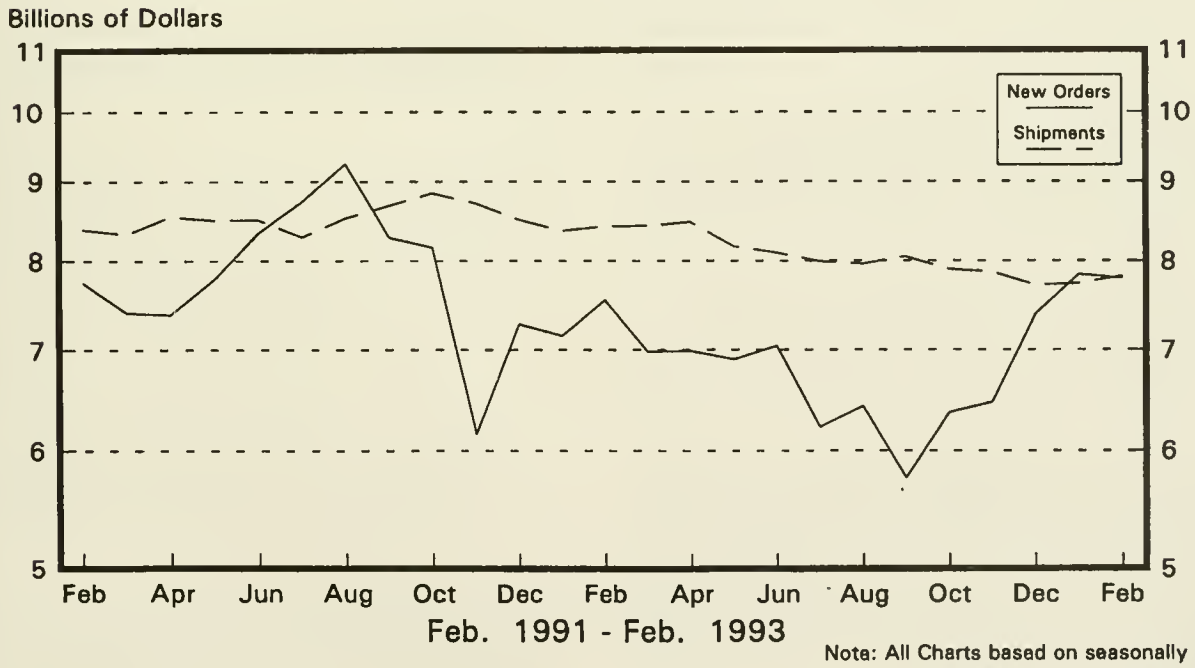
Nondefense Capital Goods

New Orders and Shipments
Three Month Moving Averages



Defense Capital Goods

New Orders and Shipments
Three Month Moving Averages



Note: All Charts based on seasonally adjusted current dollars.

U.S. Department of Commerce
BUREAU OF THE CENSUS
Washington, D.C. 20233

Official Business
Penalty for Private Use, $300

U.S.MAIL

POSTAGE AND FEES P
U S DEPARTMENT OF COMME

COM-2

First Class Mail

NOTICE

Revised historical data for Manufacturers' Shipments, Inventories, and Orders will be issued in mid-June. The primary purpose of the revision is to benchmark the data to the 1991 Annual Survey of Manufactures. Less significant revisions will reflect the addition of data received too late to include in the monthly press releases, corrections for misclassified reports, and updating the trading day adjustment methodology. Revisions related to benchmarking affect all industry categories.

Any questions regarding this announcement can be answered by calling Steve Andrews on (301) 763-2502.

158: M 3-1-(93)-5
Industrial Reports, Manufac...
93-3 AND 4 ON SuDoc FICHE
SEP 16 1993

Manufacturers' Shipments, Inventories, and Orders

U.S. Department of Commerce
BUREAU OF THE CENSUS

May 1993
M3-1-(93)-5
For Wire Transmissions 10:00 a.m. E.D.T. June 30, 1993

Andrews or Kathy Menth
763-2502 or (301)763-2575

Note: All figures in text are in seasonally adjusted current dollars

Summary

New orders for manufactured goods in May decreased $3.5 billion or 1.4 percent to $249.3 billion, the Department of Commerce, Bureau of the Census reported today. This follows a 0.3 percent decrease in April. New orders have declined four of the last five months. Year-to-date new orders for 1993 totaled $1,268.0 billion, 6.7 percent above the same period a year ago.

Shipments decreased $1.4 billion or 0.5 percent to $253.7 billion, following a 1.5 percent decrease in April. Year-to-date shipments for 1993 totaled $1,277.5 billion, 6.4 percent above the same period a year ago.

Unfilled orders decreased $4.4 billion or 0.9 percent to $448.6 billion, the lowest level since November 1988. This is the third consecutive decline. The unfilled orders-to-shipments ratio decreased from 3.50 in April to 3.46 in May.

Inventories increased $1.1 billion or 0.3 percent to $381.4 billion. This is the fourth consecutive monthly increase. The inventories-to-shipments ratio increased from 1.49 in April to 1.50 in May.

Please note that due to more complete reporting, revised data for inventories for January 1993 through March 1993 appear in Tables A, B, C, and D.

New Orders

New orders for durable goods in May decreased $2.3 billion or 1.7 percent to $128.0 billion, following a 0.2 percent decrease in April. This is the fourth decline in the last five months.

Instruments and related products had the largest decline, down $1.1 billion or 10.3 percent to $9.9 billion. Transportation equipment was down $1.0 billion or 3.0 percent to $31.3 billion, with decreases in nearly all industry categories. This is the third consecutive monthly decline. Electronic and other electrical equipment decreased $0.5 billion or 2.5 percent to $18.4 billion, following a 5.5 percent increase in April. Industrial machinery and equipment increased $0.3 billion or 1.4 percent to $23.3 billion.

New orders for nondurable goods decreased $1.2 billion or 1.0 percent to $121.3 billion, following a 0.5 percent decrease in April. The largest declines were in food and kindred products, chemical and allied products, and leather and leather products.

Shipments

Shipments of durable goods in May decreased $0.5 billion or 0.4 percent to $132.3 billion, following a 2.0 percent decrease in April. Transportation equipment had the largest decline, down $1.0 billion or 2.8 percent to $34.2 billion, primarily due to motor vehicles and parts. Excluding transportation equipment, shipments increased $0.5 billion or 0.5 percent. Industrial machinery and equipment had the largest increase, up $0.4 billion or 1.8 percent to $23.3 billion, with increases in nearly all industry categories. This follows a 3.8 percent decrease in April.

Shipments of nondurable goods decreased $0.9 billion or 0.7 percent to $121.5 billion, following a 0.9 percent decrease in April. The largest declines were in food and kindred products, down $0.9 billion or 2.5 percent to $33.3 billion, and chemicals and allied products, down $0.4 billion or 1.7 percent to $25.5 billion.

Unfilled Orders

Unfilled orders for durable goods in May decreased $4.2 billion or 0.9 percent to $445.6 billion, the lowest level since November 1988. This is the third consecutive monthly decline. Transportation equipment had the largest decrease, down $2.9 billion or 1.2 percent to $237.0 billion, primarily due to aircraft and parts and shipbuilding and tanks. This is the twelfth decline in the last thirteen months. Instruments and related products decreased $0.7 billion or 1.2 percent to $55.1 billion, primarily due to search and navigation equipment. Stone, clay, and glass products were up $0.2 billion or 2.7 percent to $7.5 billion. Unfilled orders for nondurable goods decreased $0.2 billion or 0.7 percent to $23.0 billion.

Inventories

Inventories for durable goods in May increased $0.6 billion or 0.2 percent to $237.6 billion. Electronic and other electrical equipment had the largest increase, up $0.4 billion or 1.3 percent to $32.7 billion. Nondurable goods increased $0.5 billion or 0.4 percent to a new high of $143.8 billion. This is the fourth increase in the last five months.

By stage of fabrication, finished goods increased 0.1 percent in durables and 0.6 percent in nondurables. Work in process was up 0.1 percent in durables and down 0.5 percent in nondurables. Materials and supplies increased 0.6 percent in durables and 0.4 percent in nondurables.

The data in this press release are consistent with the revised series released June 18, 1993. A report which includes these data from 1982 through 1992 may be obtained by calling (301) 763-2502. To purchase historical data from January 1958 through March 1993 on computer tape, contact Data Users Services Division on (301) 763-4100; for disks, contact Industry Division on (301) 763-2502. Please note that the revised data on inventories from January 1993 through March 1993 appearing in Tables A - D of this release supersede the historic data on computer tape and disks.

The advance report on durable goods for June is scheduled for July 28, 1993 at 8:30 a.m. and the full report on August 5, 1993 at 10:00 a.m. For sale by the Superintendent of Documents, U.S. Government Printing Office, Washington, DC 20402. This report is also available the day of issue through the Department of Commerce's online Economic Bulletin Board (N-8-1) (202-482-3870) and through the Census Bureau's online information service-CENDATA. CENDATA is available from Dialog Information Services, Inc. (1-800-334-2564) and CompuServe (1-800-848-8199). The CENDATA staff at the Bureau of the Census (301-763-2074) can provide content information and general guidance.

Table 1. VALUE OF MANUFACTURERS' SHIPMENTS FOR INDUSTRY GROUPS
(Millions of dollars)

Industry	Seasonally adjusted						Not seasonally adjusted[1]						
	Monthly			Percent Change			Monthly				Percent change	Year to date	
	May 1993[p]	Apr. 1993[r]	Mar. 1993	Apr.-May	Mar.-Apr.	Feb.-Mar.	May 1993[p]	Apr. 1993[r]	Mar. 1993	May 1992	May 93/92	1993[p]	199
All manufacturing industries	253,728	255,114	258,979	-0.5	-1.5	+0.8	256,104	253,519	269,793	244,526	+4.7	1,258,496	1,182,7
Manufacturing Industries													
with unfilled orders	135,259	135,206	137,572	0.0	-1.7	+1.4	134,272	133,076	145,175	128,667	+4.4	663,475	633,5
without defense capital goods	246,277	247,605	251,227	-0.5	-1.4	+0.9	248,916	246,531	261,729	236,808	+5.1	1,222,904	1,144,0
Durable goods industries	132,257	132,763	135,537	-0.4	-2.0	+1.0	134,932	133,168	144,499	125,868	+7.2	659,413	608,5
With unfilled orders	105,695	105,836	108,197	-0.1	-2.2	+1.9	105,439	103,975	115,538	100,433	+5.0	519,341	492,5
Stone, clay, and glass products	5,730	5,819	5,587	-1.5	+4.2	-3.3	5,856	5,940	5,414	5,610	+4.4	27,060	25,4
Primary metals	11,192	11,392	11,680	-1.8	-2.5	+0.4	11,449	11,711	12,053	11,756	-2.6	57,722	57,0
Blast furnaces, steel mills	5,163	5,180	5,251	-0.3	-1.4	+1.3	5,318	5,329	5,495	4,962	+7.2	26,239	24,6
Iron and steel foundries	967	1,038	1,071	-6.8	-3.1	+0.1	1,044	1,102	1,092	1,114	-6.3	5,264	5,0
Nonferrous and other primary metals	5,062	5,174	5,358	-2.2	-3.4	-0.4	5,087	5,280	5,466	5,680	-10.4	26,219	27,2
Fabricated metal products	14,120	13,923	14,122	+1.4	-1.4	+1.5	14,518	13,882	14,841	13,521	+7.4	69,327	65,1
Industrial machinery and equipment	23,329	22,911	23,819	+1.8	-3.8	+4.3	22,916	22,505	27,204	20,234	+13.3	113,872	100,9
Engines and turbines	1,468	1,458	1,508	+0.7	-3.3	-1.8	1,456	1,397	1,725	1,368	+6.4	7,123	6,5
Farm and garden machinery	1,569	1,600	1,413	-1.9	+13.2	-4.0	1,795	2,101	1,786	1,410	+27.3	8,654	7,5
Construction, mining and material handling equipment	2,494	2,431	2,509	+2.6	-3.1	+1.5	2,569	2,564	2,722	2,078	+23.6	12,488	10,0
Metalworking machinery	2,658	2,622	2,577	+1.4	+1.7	+0.9	2,554	2,391	2,829	2,224	+14.8	12,448	11,0
Computer and office equipment	6,024	5,964	6,420	+1.0	-7.1	+6.3	5,199	4,808	7,808	4,710	+10.4	27,454	23,8
Electronic and other electrical equipment	18,747	18,596	18,756	+0.8	-0.9	+1.8	18,435	17,808	19,793	16,745	+10.1	89,595	81,9
Electrical transmission and distribution equipment and industrial apparatus	2,356	2,411	2,344	-2.3	+2.9	-1.8	2,362	2,417	2,546	2,333	+1.2	11,790	11,
Household appliances	1,588	1,567	1,618	+1.3	-3.2	+0.1	1,637	1,599	1,753	1,543	+6.1	7,836	7,
Electric lighting and wiring equipment	1,692	1,657	1,739	+2.1	-4.7	+4.6	1,682	1,567	1,837	1,531	+9.9	8,215	7,
Household audio and video equipment	911	907	924	+0.4	-1.8	+0.7	733	728	891	749	-2.1	3,924	3,
Communications equipment	3,751	3,688	3,710	+1.7	-0.6	+4.4	3,645	3,403	4,006	3,204	+13.8	17,338	15,
Electronic components	6,519	6,431	6,396	+1.4	+0.5	+0.5	6,552	6,407	6,674	5,633	+16.3	31,637	27,
Transportation equipment	34,190	35,180	36,264	-2.8	-3.0	+0.8	36,821	36,734	38,785	34,404	+7.0	179,235	161,
Motor vehicles and parts	22,236	23,127	23,760	-3.9	-2.7	+0.2	25,084	24,903	25,347	22,187	+13.1	120,888	98,
Aircraft, missiles, space vehicles, and parts	9,656	9,686	10,002	-0.3	-3.2	+3.3	9,366	9,337	10,764	9,990	-6.2	46,272	51,
Shipbuilding and tanks	945	977	1,000	-3.3	-2.3	-2.9	928	929	1,039	958	-3.1	4,710	4,
Instruments and related products	10,574	10,510	10,646	+0.6	-1.3	+0.1	10,477	10,024	11,291	10,359	+1.1	51,335	51,
Search and navigation equipment	2,770	2,675	2,772	+3.6	-3.5	-2.6	2,696	2,413	2,978	2,728	-1.2	12,982	13,
Measuring and controlling devices	2,919	2,863	2,843	+2.0	+0.7	-2.1	2,904	2,773	3,078	2,660	+9.2	14,181	13,
Medical instruments and supplies	2,762	2,845	2,926	-2.9	-2.8	+4.2	2,715	2,798	3,110	2,831	-4.1	14,128	14,
Photographic goods	1,796	1,797	1,793	-0.1	+0.2	+2.6	1,828	1,709	1,798	1,823	+0.3	8,414	8,
All other durable goods	14,375	14,432	14,663	-0.4	-1.6	-1.7	14,460	14,564	15,118	13,239	+9.2	71,267	64,
Nondurable goods industries	121,471	122,351	123,442	-0.7	-0.9	+0.6	121,172	120,351	125,294	118,658	+2.1	599,083	574,
With unfilled orders	29,564	29,370	29,375	+0.7	0.0	-0.2	28,833	29,101	29,637	28,234	+2.1	144,134	141,
Food and kindred products	33,286	34,148	34,006	-2.5	+0.4	+1.2	33,880	33,389	34,686	33,651	+0.7	165,836	160,
Meat products	7,834	7,850	7,804	-0.2	+0.6	+1.0	8,155	7,715	7,803	7,898	+3.3	38,501	36,
Dairy products	4,426	4,520	4,450	-2.1	+1.6	+0.7	4,532	4,469	4,483	4,508	+0.5	21,704	21,
Beverages	4,856	4,730	4,758	+2.7	-0.6	-0.5	5,342	4,740	4,714	5,258	+1.6	23,287	23,
All other foods, except fats and oils	14,493	15,382	15,274	-5.8	+0.7	+2.6	14,174	14,799	15,966	14,416	-1.7	73,865	71,
Tobacco products	2,686	2,669	2,946	+0.6	-9.4	+3.4	2,834	1,873	3,659	2,461	+15.2	12,494	11,
Textile mill products	5,843	5,802	5,750	+0.7	+0.9	-2.9	5,806	5,641	5,890	5,776	+0.5	28,308	27,
Broadwoven fabrics and other textiles	3,634	3,652	3,620	-0.5	+0.9	-2.6	3,685	3,569	3,743	3,709	-0.6	18,021	17,
Paper and allied products	10,891	10,741	10,844	+1.4	-0.9	+0.6	10,684	10,564	11,007	10,692	-0.1	53,568	53,
Pulp, paper, and paperboard mill products	4,384	4,386	4,322	0.0	+1.5	-0.3	4,331	4,315	4,386	4,404	-1.7	21,675	22,
Paperboard containers and boxes	2,664	2,684	2,695	-0.7	-0.4	+1.5	2,656	2,691	2,711	2,715	-2.2	13,211	13,
Miscellaneous converted paper products	3,843	3,671	3,827	+4.7	-4.1	+1.1	3,697	3,558	3,910	3,573	+3.5	18,682	18,
Chemicals and allied products	25,540	25,971	26,415	-1.7	-1.7	+1.3	25,939	26,958	27,591	25,567	+1.5	131,103	125,
Industrial chemicals	13,254	13,445	13,577	-1.4	-1.0	-0.2	13,440	13,891	14,020	13,231	+1.6	67,760	64,
Drugs, soaps, and toiletries	9,276	9,573	9,864	-3.1	-3.0	+3.9	8,627	9,159	10,154	8,469	+1.9	46,717	43,
Petroleum and coal products	13,060	13,072	13,331	-0.1	-1.9	+0.1	13,088	12,589	12,125	13,250	-1.2	61,548	59,
Rubber and plastics products	8,584	8,523	8,705	+0.7	-2.1	-0.7	8,762	8,708	9,021	8,780	-0.2	43,411	43,
All other nondurable goods	21,581	21,425	21,445	+0.7	-0.1	+0.5	20,179	20,629	21,315	18,481	+9.2	102,815	93,

[p] Preliminary. [r] Revised.

[1] Shipments and new orders are the totals for the period and are adjusted for trading-day and calendar-month variations.

Table 2. VALUE OF MANUFACTURERS' NEW ORDERS FOR INDUSTRY GROUPS
(Millions of dollars)

Industry	Seasonally adjusted						Not seasonally adjusted[1]						
	Monthly			Percent Change			Monthly				Percent change	Year to date	
	May 1993[p]	Apr. 1993[r]	Mar. 1993	Apr.-May	Mar.-Apr.	Feb.-Mar.	May 1993[p]	Apr. 1993[r]	Mar. 1993	May 1992	May 93/92	1993[p]	1992
ll manufacturing industries	249,347	252,819	253,673	-1.4	-0.3	-1.6	250,523	251,820	265,249	240,823	+4.0	1,254,369	1,176,084
ufacturing industries													
h unfilled orders	130,878	132,911	132,266	-1.5	+0.5	-3.3	128,691	131,377	140,631	124,964	+3.0	659,348	626,888
hout defense capital goods	243,562	245,966	246,262	-1.0	-0.1	-2.1	246,108	245,786	256,941	236,058	+4.3	1,222,625	1,145,064
ble goods industries	128,033	130,288	130,569	-1.7	-0.2	-3.4	129,432	131,271	139,793	122,473	+5.7	654,113	601,031
th unfilled orders	101,471	103,361	103,229	-1.8	+0.1	-3.8	99,939	102,078	110,832	97,038	+3.0	514,041	485,054
e, clay, and glass products	5,928	5,892	5,693	+0.6	+3.5	-7.6	6,235	6,011	5,587	5,820	+7.1	28,295	26,056
ary metals	11,042	11,212	12,015	-1.5	-6.7	-3.1	11,040	11,435	12,779	11,455	-3.6	60,821	56,967
ast furnaces, steel mills	5,099	5,078	5,625	+0.4	-9.7	-5.6	5,094	5,082	5,913	4,803	+6.1	28,633	24,180
on and steel foundries	989	1,049	1,005	-5.7	+4.4	-2.5	1,059	1,116	1,033	1,154	-8.2	5,330	5,042
onferrous and other primary metals	4,954	5,085	5,385	-2.6	-5.6	-0.6	4,887	5,237	5,833	5,498	-11.1	26,858	27,745
icated metal products	13,866	13,648	13,761	+1.6	-0.8	-1.6	14,010	13,583	14,559	13,013	+7.7	68,543	64,151
strial machinery and equipment	23,332	22,999	23,475	+1.4	-2.0	+1.2	23,124	22,362	26,260	19,728	+17.2	114,600	100,331
gines and turbines	1,364	1,344	1,801	+1.5	-25.4	+19.5	1,296	1,175	1,767	1,452	-10.7	6,530	6,117
onstruction, mining and material handling equipment	2,626	2,400	2,491	+9.4	-3.7	-1.1	2,637	2,415	2,717	2,016	+30.8	12,711	9,994
etalworking machinery	2,398	2,506	2,424	-4.3	+3.4	-4.5	2,294	2,275	2,676	2,059	+11.4	11,747	11,255
omputer and office equipment	6,281	5,900	6,051	+6.5	-2.5	-4.8	5,853	4,741	7,381	4,836	+21.0	28,112	23,306
tronic and other ctrical equipment	18,388	18,862	17,881	-2.5	+5.5	0.0	17,803	18,682	18,399	16,705	+6.6	90,390	82,752
ectrical transmission and istribution equipment and ndustrial apparatus	2,315	2,479	2,344	-6.6	+5.8	-3.7	2,310	2,487	2,511	2,236	+3.3	12,067	11,308
ectric lighting and wiring equipment	1,747	1,706	1,665	+2.4	+2.5	-2.8	1,737	1,616	1,763	1,513	+14.8	8,374	7,410
ommunications equipment	3,777	3,834	3,370	-1.5	+13.8	+1.7	3,616	3,528	3,649	3,232	+11.9	16,783	15,611
ectronic components	6,123	6,437	6,065	-4.9	+6.1	+1.4	5,962	7,026	5,929	5,741	+3.8	32,155	28,706
sportation equipment	31,285	32,248	32,891	-3.0	-2.0	-9.2	33,004	33,791	36,243	32,273	+2.3	167,949	155,049
ircraft, missiles, space vehicles, and parts.	7,105	7,302	7,006	-2.7	+4.2	-30.9	5,890	6,880	8,613	7,944	-25.9	35,287	45,337
hipbuilding and tanks	277	442	696	-37.3	-36.5	+17.2	336	482	737	863	-61.1	3,891	3,784
uments and related products	9,905	11,041	10,290	-10.3	+7.3	-0.8	9,696	10,361	10,711	9,923	-2.3	50,811	49,364
earch and navigation equipment	2,233	3,338	2,732	-33.1	+22.2	+6.7	2,032	2,872	2,695	2,228	-8.8	12,710	11,988
easuring and controlling devices	2,749	2,954	2,764	-6.9	+6.9	-7.6	2,734	2,864	2,999	2,611	+4.7	14,166	13,501
edical instruments and supplies	2,826	2,712	2,762	+4.2	-1.8	+7.3	2,779	2,665	2,946	2,857	-2.7	13,932	13,971
other durable goods	14,287	14,386	14,563	-0.7	-1.2	-2.8	14,520	15,046	15,255	13,556	+7.1	72,704	66,361
durable goods industries	121,314	122,531	123,104	-1.0	-0.5	+0.3	121,091	120,549	125,456	118,350	+2.3	600,256	575,053
ith unfilled orders	29,407	29,550	29,037	-0.5	+1.8	-1.5	28,752	29,299	29,799	27,926	+3.0	145,307	141,834

Preliminary. [r] Revised.

Shipments and new orders are the totals for the period and are adjusted for trading-day and calendar-month variations.

n) When new orders for a prior month are negative because of cancellations, the percentage change calculation is algebraically negative, even though there is a net dollar ease from the prior month to the current month.

Table 3. VALUE OF MANUFACTURERS' UNFILLED ORDERS FOR INDUSTRY GROUPS
(Millions of dollars)

Industry	Seasonally adjusted						Not seasonally adjusted				
	Monthly			Percent Change			Monthly				Perce chang Ma 93/9
	May 1993[p]	Apr. 1993[r]	Mar. 1993	Apr.-May	Mar.-Apr.	Feb.-Mar.	May 1993[p]	Apr. 1993[r]	Mar. 1993	May 1992	
All manufacturing industries	468,585	472,966	475,261	-0.9	-0.5	-1.1	470,759	476,340	478,039	501,081	-6.
Manufacturing industries without defense capital goods	342,696	345,411	347,050	-0.8	-0.5	-1.4	344,827	347,635	348,380	363,299	-5.
Durable goods industries	445,609	449,833	452,308	-0.9	-0.5	-1.1	447,525	453,025	454,922	477,895	-6.
Stone, clay, and glass products	7,544	7,346	7,273	+2.7	+1.0	+1.5	7,627	7,248	7,177	7,156	+6.
Primary metals	23,228	23,378	23,558	-0.6	-0.8	+1.4	23,775	24,184	24,460	21,710	+9.
Blast furnaces, steel mills	10,614	10,678	10,780	-0.6	-0.9	+3.6	10,816	11,040	11,287	8,311	+30.
Iron and steel foundries	2,882	2,860	2,849	+0.8	+0.4	-2.3	2,896	2,881	2,867	2,923	-0.
Nonferrous and other primary metals	9,732	9,840	9,929	-1.1	-0.9	+0.3	10,063	10,263	10,306	10,476	-3
Fabricated metal products	22,048	22,302	22,577	-1.1	-1.2	-1.6	21,977	22,485	22,784	22,958	-4
Industrial machinery and equipment	50,698	50,695	50,607	0.0	+0.2	-0.7	50,847	50,639	50,782	52,156	-2
Engines and turbines	9,793	9,897	10,011	-1.1	-1.1	+3.0	9,463	9,623	9,845	9,110	+3
Construction, mining and material handling equipment	5,805	5,673	5,704	+2.3	-0.5	-0.3	5,822	5,754	5,903	5,697	+2
Metalworking machinery	6,632	6,892	7,008	-3.8	-1.7	-2.1	6,632	6,892	7,008	8,678	-23
Computer and office equipment	7,538	7,281	7,345	+3.5	-0.9	-4.8	7,779	7,125	7,192	8,092	-3
Electronic and other electrical equipment	42,437	42,796	42,530	-0.8	+0.6	-2.0	42,882	43,514	42,640	42,361	+1
Electrical transmission and distribution equipment and industrial apparatus	5,821	5,862	5,794	-0.7	+1.2	0.0	5,829	5,881	5,811	6,192	-5
Electric lighting and wiring equipment	3,139	3,084	3,035	+1.8	+1.6	-2.4	3,139	3,084	3,035	3,083	+1
Communications equipment	12,930	12,904	12,758	+0.2	+1.1	-2.6	12,867	12,896	12,771	13,104	-1
Electronic components	15,759	16,155	16,149	-2.5	0.0	-2.0	16,200	16,790	16,171	15,201	+6
Transportation equipment	237,026	239,931	242,863	-1.2	-1.2	-1.4	237,260	241,077	244,020	267,087	-11
Aircraft, missiles, space vehicles, and parts	208,753	211,304	213,688	-1.2	-1.1	-1.4	208,891	212,367	214,824	234,759	-11
Shipbuilding and tanks	20,335	21,003	21,538	-3.2	-2.5	-1.4	20,395	20,987	21,434	24,573	-17
Instruments and related products	55,085	55,754	55,223	-1.2	+1.0	-0.6	55,063	55,844	55,507	56,162	-2
Search and navigation equipment	36,915	37,452	36,789	-1.4	+1.8	-0.1	36,883	37,547	37,088	38,372	-3
Measuring and controlling devices	9,173	9,343	9,252	-1.8	+1.0	-0.8	9,173	9,343	9,252	8,895	+3
Medical instruments and supplies	8,227	8,163	8,296	+0.8	-1.6	-1.9	8,227	8,163	8,296	7,930	+3
All other durable goods	7,543	7,631	7,677	-1.2	-0.6	-1.3	8,094	8,034	7,552	8,305	-2
Nondurable goods industries	22,976	23,133	22,953	-0.7	+0.8	-1.5	23,234	23,315	23,117	23,186	+0

[p] Preliminary. [r] Revised.

Table 4. VALUE OF MANUFACTURERS' INVENTORIES FOR INDUSTRY GROUPS
(Millions of dollars)

Industry	Seasonally adjusted						Not seasonally adjusted				
	Monthly			Percent Change			Monthly				Percent change
	May 1993[p]	Apr. 1993[r]	Mar. 1993	Apr.-May	Mar.-Apr.	Feb.-Mar.	May 1993[p]	Apr. 1993[r]	Mar. 1993	May 1992	May 93/92
ll manufacturing industries	381,416	380,307	379,539	+0.3	+0.2	+0.1	383,758	382,062	379,471	385,643	-0.5
nufacturing industries											
h unfilled orders	251,656	250,732	250,551	+0.4	+0.1	-0.3	254,304	252,355	250,300	261,717	-2.8
hout defense capital goods	352,824	351,799	350,774	+0.3	+0.3	+0.3	354,774	353,433	350,722	351,581	+0.9
able goods industries	237,626	237,043	236,849	+0.2	+0.1	-0.1	239,754	238,331	236,973	246,389	-2.7
ith unfilled orders	218,367	217,578	217,546	+0.4	0.0	-0.3	220,549	218,745	217,149	227,941	-3.2
ne, clay, and glass products	7,724	7,757	7,783	-0.4	-0.3	+0.3	7,868	7,931	7,929	8,003	-1.7
nary metals	19,203	19,123	19,343	+0.4	-1.1	-0.3	19,232	19,119	19,166	19,878	-3.2
last furnaces, steel mills	9,420	9,409	9,591	+0.1	-1.9	-1.7	9,316	9,262	9,365	9,832	-5.2
on and steel foundries	1,394	1,383	1,394	+0.8	-0.8	-0.3	1,426	1,425	1,431	1,433	-0.5
onferrous and other primary metals	8,389	8,331	8,358	+0.7	-0.3	+1.3	8,490	8,432	8,370	8,613	-1.4
ricated metal products	23,002	23,123	23,302	-0.5	-0.8	+0.6	23,276	23,399	23,545	24,008	-3.0
strial machinery and equipment	44,892	44,773	44,480	+0.3	+0.7	-1.0	45,428	44,838	44,163	46,883	-3.1
ngines and turbines	3,554	3,562	3,504	-0.2	+1.7	+0.4	3,614	3,591	3,407	3,463	+4.4
arm and garden machinery	2,104	2,194	2,326	-4.1	-5.7	0.0	2,070	2,191	2,452	2,262	-8.5
onstruction, mining and material handling equipment	5,860	5,899	5,967	-0.7	-1.1	+0.9	5,930	5,979	6,035	6,147	-3.5
etalworking machinery	5,153	5,179	5,188	-0.5	-0.2	-2.2	5,199	5,214	5,136	5,469	-4.9
omputer and office equipment	10,157	9,904	9,589	+2.6	+3.3	-3.2	10,391	9,761	9,209	10,698	-2.9
tronic and other ectrical equipment	32,666	32,258	31,900	+1.3	+1.1	+0.4	33,351	32,621	31,850	31,980	+4.3
lectrical transmission and distribution equipment and ndustrial apparatus	4,383	4,394	4,374	-0.3	+0.5	+0.5	4,459	4,461	4,369	4,646	-4.0
ousehold appliances	2,624	2,599	2,546	+1.0	+2.1	+2.6	2,831	2,759	2,644	2,717	+4.2
lectric lighting and wiring equipment	2,860	2,863	2,871	-0.1	-0.3	+0.3	2,940	2,906	2,865	3,016	-2.5
ousehold audio and video equipment	1,065	1,051	1,052	+1.3	-0.1	+0.9	1,083	1,030	1,022	1,210	-10.5
ommunications equipment	8,313	8,113	7,936	+2.5	+2.2	+1.3	8,473	8,203	7,883	7,275	+16.5
lectronic components	10,047	9,899	9,808	+1.5	+0.9	-0.2	10,107	9,873	9,743	9,531	+6.0
nsportation equipment	65,644	65,434	65,885	+0.3	-0.7	-0.5	65,604	65,573	66,155	70,995	-7.6
otor vehicles and parts	11,439	11,414	11,362	+0.2	+0.5	+0.9	11,067	11,318	11,385	11,664	-5.1
ircraft, missiles, space vehicles, and parts	49,852	49,640	50,162	+0.4	-1.0	-0.9	50,173	49,877	50,385	54,946	-8.7
hipbuilding and tanks	1,805	1,807	1,841	-0.1	-1.8	+0.8	1,830	1,813	1,808	2,052	-10.8
uments and related products	22,749	22,898	22,979	-0.7	-0.4	-0.3	23,057	23,094	22,859	23,970	-3.8
earch and navigation equipment	6,053	6,153	6,229	-1.6	-1.2	-3.0	6,123	6,198	6,146	7,497	-18.3
easuring and controlling devices	6,597	6,662	6,648	-1.0	+0.2	+0.2	6,670	6,696	6,623	6,741	-1.1
edical instruments and supplies	6,351	6,336	6,309	+0.2	+0.4	+0.3	6,421	6,362	6,281	6,225	+3.1
hotographic goods	2,973	2,975	3,027	-0.1	-1.7	+3.6	3,044	3,040	3,035	2,774	+9.7
other durable goods	21,746	21,677	21,177	+0.3	+2.4	+2.0	21,938	21,756	21,306	20,672	+6.1
durable goods industries	143,790	143,264	142,690	+0.4	+0.4	+0.3	144,004	143,731	142,498	139,254	+3.4
ith unfilled orders	33,289	33,154	33,005	+0.4	+0.5	0.0	33,755	33,610	33,151	33,776	-0.1
d and kindred products	30,214	30,073	29,910	+0.5	+0.5	+0.2	28,991	29,210	29,282	28,320	+2.4
eat products	3,147	3,059	3,046	+2.9	+0.4	+1.8	3,200	3,128	3,101	2,800	+14.3
airy products	2,884	2,763	2,687	+4.4	+2.8	-0.4	2,950	2,793	2,631	2,793	+5.6
everages	5,345	5,331	5,253	+0.3	+1.5	0.0	5,340	5,370	5,261	5,282	+1.1
ll other foods, except fats and oils	17,412	17,448	17,456	-0.2	0.0	+0.2	16,106	16,419	16,789	16,015	+0.6
acco products	6,682	6,558	6,700	+1.9	-2.1	+1.1	6,508	6,697	6,831	6,529	-0.3
tile mill products	9,329	9,279	9,192	+0.5	+0.9	+0.5	9,627	9,457	9,194	9,111	+5.7
roadwoven fabrics and other textiles	5,395	5,358	5,306	+0.7	+1.0	+0.9	5,508	5,450	5,322	5,327	+3.4
er and allied products	13,515	13,495	13,467	+0.1	+0.2	+0.1	13,759	13,800	13,684	13,891	-1.0
ulp, paper, and paperboard mill products	5,626	5,611	5,582	+0.3	+0.5	+0.4	5,739	5,724	5,682	5,789	-0.9
aperboard containers and boxes	3,227	3,239	3,269	-0.4	-0.9	-0.9	3,227	3,272	3,303	3,284	-1.7
iscellaneous converted paper products	4,662	4,645	4,616	+0.4	+0.6	+0.4	4,793	4,804	4,699	4,818	-0.5
micals and allied products	34,997	34,877	34,894	+0.3	0.0	0.0	35,154	35,240	35,258	34,017	+3.3
ndustrial chemicals	17,202	17,198	17,134	0.0	+0.4	-0.3	17,202	17,306	17,308	17,081	+0.7
rugs, soaps, and toiletries	13,466	13,272	13,409	+1.5	-1.0	+0.5	13,735	13,368	13,276	12,905	+6.4
oleum and coal products	11,676	11,869	11,684	-1.6	+1.6	+0.6	11,773	11,740	11,357	11,688	+0.7
ber and plastics products	12,015	11,940	11,834	+0.6	+0.9	+0.4	12,119	12,108	12,017	11,303	+7.2
other nondurable goods	25,362	25,173	25,009	+0.8	+0.7	+0.7	26,073	25,479	24,875	24,395	+6.9

[p] Preliminary. [r] Revised.

Table 5. VALUE OF MANUFACTURERS' SHIPMENTS AND NEW ORDERS FOR TOPICAL SERIES[1]
(Millions of dollars)

Industry	Seasonally adjusted						Not seasonally adjusted [2]						
	Monthly			Percent Change			Monthly				Percent change	Year to date	
	May 1993[p]	Apr. 1993[r]	Mar. 1993	Apr.-May	Mar.-Apr.	Feb.-Mar.	May 1993[p]	Apr. 1993[r]	Mar. 1993	May 1992	May 93/92	1993[p]	199
SHIPMENTS													
All manufacturing industries	253,728	255,114	258,979	-0.5	-1.5	+0.8	256,104	253,519	269,793	244,526	+4.7	1,258,496	1,182,7
Market categories :													
Automotive equipment	11,428	11,702	12,019	-2.3	-2.6	-1.0	12,823	12,620	12,806	11,196	+14.5	61,357	50,1
Home goods and apparel	17,401	17,163	17,291	+1.4	-0.7	+0.2	16,159	16,080	17,721	14,463	+11.7	82,275	72,5
Consumer staples	55,943	56,955	57,617	-1.8	-1.1	+1.6	55,876	54,718	58,523	55,087	+1.4	275,697	264,5
Machinery and equipment	42,929	42,712	43,981	+0.5	-2.9	+3.4	43,326	42,371	48,288	39,040	+11.0	211,579	191,9
Business supplies	19,558	19,493	19,672	+0.3	-0.9	+0.2	19,562	19,852	19,858	19,181	+2.0	96,280	93,3
Construction materials and supplies	16,385	16,263	16,376	+0.8	-0.7	-1.3	16,891	16,340	16,626	15,628	+8.1	79,104	72,7
Defense products	7,582	7,698	7,955	-1.5	-3.2	+0.7	7,351	7,275	8,313	7,966	-7.7	36,798	39,4
Other materials, supplies and and intermediate products	82,502	83,128	84,068	-0.8	-1.1	0.0	84,116	84,263	87,658	81,965	+2.6	415,406	397,9
Durable goods industries :													
Nondefense capital goods [3]	32,636	32,235	33,512	+1.2	-3.8	+4.6	31,638	30,813	37,644	29,176	+8.4	156,951	147,0
Excluding aircraft and parts	27,048	26,706	27,770	+1.3	-3.8	+4.4	26,145	25,367	31,191	23,452	+11.5	130,028	116,5
Defense capital goods [4]	7,451	7,509	7,752	-0.8	-3.1	-0.1	7,188	6,988	8,064	7,718	-6.9	35,592	38,6
Durables excluding capital goods	92,170	93,019	94,273	-0.9	-1.3	-0.1	96,106	95,367	98,791	88,974	+8.0	466,870	422,7
Miscellaneous series :													
Producers' durable equipment	83,996	84,265	86,461	-0.3	-2.5	+2.3	86,230	84,596	93,793	78,300	+10.1	421,314	378,0
Household durable goods	7,200	7,162	7,260	+0.5	-1.3	-0.6	6,887	6,915	7,737	6,537	+5.4	34,961	32,0
Information technology industries	14,740	14,534	15,010	+1.4	-3.2	+3.4	13,816	12,875	16,992	12,603	+9.6	68,633	62,9
Health care equipment and products	7,797	8,036	8,276	-3.0	-2.9	+4.0	7,407	7,771	8,617	7,435	-0.4	39,484	38,
NEW ORDERS													
All manufacturing industries	249,347	252,819	253,673	-1.4	-0.3	-1.6	250,523	251,820	265,249	240,823	+4.0	1,254,369	1,176,0
Market categories :													
Automotive equipment	11,498	11,685	11,988	-1.6	-2.5	-1.3	12,885	12,609	12,766	11,178	+15.3	61,473	50,
Home goods and apparel	17,014	17,113	17,245	-0.6	-0.8	-1.1	15,909	16,313	17,894	14,411	+10.4	84,154	74,
Consumer staples	55,990	56,942	57,619	-1.7	-1.2	+1.6	55,847	54,703	58,501	55,003	+1.5	275,608	264,
Machinery and equipment	41,078	41,246	40,438	-0.4	+2.0	-8.2	41,700	40,960	44,472	39,621	+5.2	205,204	190,
Business supplies	19,508	19,419	19,545	+0.5	-0.6	-0.9	19,532	19,762	19,775	19,270	+1.4	96,230	93,
Construction materials and supplies	16,431	16,242	16,172	+1.2	+0.4	-5.1	16,912	16,333	16,577	15,580	+8.5	79,851	73,
Defense products	5,968	7,203	7,787	-17.1	-7.5	+19.3	4,619	6,385	8,643	5,295	-12.8	32,879	31,
Other materials, supplies and and intermediate products	81,860	82,969	82,879	-1.3	+0.1	-1.6	83,119	84,755	86,621	80,465	+3.3	418,970	398,
Durable goods industries :													
Nondefense capital goods [3]	30,548	30,903	29,788	-1.1	+3.7	-10.9	29,728	29,376	33,328	29,083	+2.2	149,261	145,
Excluding aircraft and parts	26,793	27,445	27,338	-2.4	+0.4	+1.0	26,068	26,001	30,167	23,241	+12.2	131,403	116,
Defense capital goods [4]	5,785	6,853	7,411	-15.6	-7.5	+16.5	4,415	6,034	8,308	4,765	-7.3	31,744	31,
Durables excluding capital goods	91,700	92,532	93,370	-0.9	-0.9	-2.2	95,289	95,861	98,157	88,625	+7.5	473,108	424,
Miscellaneous series :													
Producers' durable equipment	82,082	82,689	82,619	-0.7	+0.1	-4.7	84,355	83,418	89,626	78,857	+7.0	417,468	377,
Household durable goods	7,135	7,215	7,105	-1.1	+1.5	-3.5	6,730	7,360	7,666	6,386	+5.4	36,188	33,
Information technology industries	14,799	15,197	14,347	-2.6	+5.9	-3.4	14,287	13,524	16,281	12,806	+11.6	69,401	62,
Health care equipment and products	7,861	7,903	8,112	-0.5	-2.6	+5.0	7,472	7,638	8,454	7,461	+0.1	39,290	37,

[p] Preliminary. [r] Revised.

[1] Topical series are regroupings of the separate industry categories.

[2] Shipments and new orders are the totals for the period and are adjusted for trading-day and calendar-month variations.

[3] Nondefense capital goods industries include : ordnance and accessories; steam, gas and hydraulic turbines; internal combustion engines; construction, mining, an handling equipment; metalworking machinery; special industry machinery; general industrial machinery; computer and office equipment; refrigeration, heating a industry machinery; electrical transmission and distribution equipment; electrical industrial apparatus; communications equipment; aircraft, missiles, space vehicles, a and parts; ships and tank components; railroad equipment; and search and navigation equipment.

[4] Defense capital goods industries include : ordnance and accessories; communications equipment; aircraft, missiles, space vehicles, and engines and parts; sh and tank components; and search and navigation equipment.

Table 6. VALUE OF MANUFACTURERS' UNFILLED ORDERS AND TOTAL INVENTORIES FOR TOPICAL SERIES[1]
(Millions of dollars)

Industry	Seasonally adjusted						Not seasonally adjusted				
	Monthly			Percent Change			Monthly				Percent change
	May 1993[P]	Apr. 1993[r]	Mar. 1993	Apr.-May	Mar.-Apr.	Feb.-Mar.	May 1993[P]	Apr. 1993[r]	Mar. 1993	May 1992	May 93/92
UNFILLED ORDERS											
ll manufacturing industries	468,585	472,966	475,261	-0.9	-0.5	-1.1	470,759	476,340	478,039	501,081	-6.1
rket categories :											
Automotive equipment	1,682	1,612	1,629	+4.3	-1.0	-1.9	1,701	1,639	1,650	1,742	-2.4
Home goods and apparel	9,998	10,385	10,436	-3.7	-0.5	-0.4	10,470	10,719	10,486	9,675	+8.2
Consumer staples	1,454	1,407	1,420	+3.3	-0.9	+0.1	1,351	1,379	1,394	1,215	+11.2
Machinery and equipment	193,373	195,225	196,690	-0.9	-0.7	-1.8	193,830	195,456	196,868	213,027	-9.0
Business supplies	5,643	5,693	5,767	-0.9	-1.3	-2.2	5,638	5,668	5,758	5,862	-3.8
Construction materials and supplies	15,018	14,971	14,992	+0.3	-0.1	-1.3	15,074	15,053	15,059	14,554	+3.6
Defense products	119,523	121,137	121,632	-1.3	-0.4	-0.1	119,417	122,149	123,039	129,749	-8.0
Other materials, supplies and and intermediate products	121,894	122,536	122,695	-0.5	-0.1	-1.0	123,278	124,277	123,785	125,257	-1.6
rable goods industries :											
Nondefense capital goods [3]	212,010	214,098	215,430	-1.0	-0.6	-1.7	212,194	214,104	215,541	233,872	-9.3
Excluding aircraft and parts	71,451	71,706	70,967	-0.4	+1.0	-0.6	71,635	71,712	71,078	73,142	-2.1
Defense capital goods [4]	125,889	127,555	128,211	-1.3	-0.5	-0.3	125,932	128,705	129,659	137,782	-8.6
Durables excluding capital goods	107,710	108,180	108,667	-0.4	-0.4	-0.8	109,399	110,216	109,722	106,241	+3.0
scellaneous series :											
Producers' durable equipment	216,493	218,407	219,983	-0.9	-0.7	-1.7	217,228	219,103	220,281	235,251	-7.7
Household durable goods	5,327	5,392	5,339	-1.2	+1.0	-2.8	5,653	5,810	5,365	5,496	+2.9
nformation technology industries	31,639	31,580	30,917	+0.2	+2.1	-2.1	31,884	31,413	30,764	31,973	-0.3
Health care equipment and products	8,256	8,192	8,325	+0.8	-1.6	-1.9	8,256	8,192	8,325	7,959	+3.7
TOTAL INVENTORIES											
ll manufacturing industries	381,416	380,307	379,539	+0.3	+0.2	+0.1	383,758	382,062	379,471	385,643	-0.5
rket categories :											
Automotive equipment	6,191	6,207	6,166	-0.3	+0.7	+1.5	6,113	6,211	6,261	6,116	0.0
Home goods and apparel	29,927	29,688	29,393	+0.8	+1.0	+1.5	31,156	30,171	29,300	28,686	+8.6
Consumer staples	59,638	59,201	59,136	+0.7	+0.1	+0.4	58,722	58,610	58,387	57,061	+2.9
Machinery and equipment	88,520	88,104	87,899	+0.5	+0.2	-0.1	89,436	88,659	87,846	89,710	-0.3
Business supplies	21,659	21,606	21,390	+0.2	+1.0	-0.5	21,715	21,766	21,466	21,923	-0.9
Construction materials and supplies	23,184	23,354	23,225	-0.7	+0.6	+1.6	23,521	23,694	23,473	23,079	+1.9
Defense products	27,137	26,947	27,119	+0.7	-0.6	-2.1	27,488	27,052	27,132	31,646	-13.1
Other materials, supplies and and intermediate products	125,160	125,200	125,211	0.0	0.0	0.0	125,607	125,899	125,606	127,422	-1.4
rable goods industries :											
Nondefense capital goods [3]	83,369	82,893	82,611	+0.6	+0.3	-0.5	84,289	83,324	82,253	85,588	-1.5
Excluding aircraft and parts	54,987	54,541	53,900	+0.8	+1.2	-0.6	55,957	54,847	53,382	56,500	-1.0
Defense capital goods [4]	28,592	28,508	28,765	+0.3	-0.9	-2.1	28,984	28,629	28,749	34,062	-14.9
Durables excluding capital goods	125,665	125,642	125,473	0.0	+0.1	+0.7	126,481	126,378	125,971	126,739	-0.2
scellaneous series :											
Producers' durable equipment	142,351	141,801	141,164	+0.4	+0.5	+0.1	143,711	142,662	141,153	144,855	-0.8
Household durable goods	13,280	13,129	12,965	+1.2	+1.3	+1.6	13,673	13,277	12,964	13,265	+3.1
nformation technology industries	29,067	28,699	28,276	+1.3	+1.5	-0.4	29,644	28,759	27,824	29,049	+2.0
Health care equipment and products	13,662	13,542	13,584	+0.9	-0.3	+0.4	13,875	13,620	13,487	13,231	+4.9

See footnotes at end of table 5.

Table 7. VALUE OF MANUFACTURERS' INVENTORIES, BY STAGE OF FABRICATION, BY INDUSTRY GROUP
(Millions of dollars)

Industry	Seasonally adjusted						Not seasonally adjusted				
	Monthly			Percent Change			Monthly				Percen change
	May 1993[p]	Apr. 1993[r]	Mar. 1993	Apr.-May	Mar.-Apr.	Feb.-Mar.	May 1993[p]	Apr. 1993[r]	Mar. 1993	May 1992	May 93/92
MATERIALS AND SUPPLIES											
All manufacturing industries	121,389	120,761	120,193	+0.5	+0.5	+0.2	120,562	120,339	119,874	119,837	+0.6
Durable goods industries	68,486	68,089	67,864	+0.6	+0.3	0.0	67,950	67,481	67,386	68,351	-0.6
Stone, clay, and glass products	2,496	2,490	2,480	+0.2	+0.4	+0.8	2,483	2,459	2,461	2,417	+2.7
Primary metals	6,226	6,254	6,259	-0.4	-0.1	+1.0	6,045	6,064	6,014	5,943	+1.7
Fabricated metal products	7,584	7,645	8,003	-0.8	-4.5	+0.9	7,480	7,554	8,025	8,160	-8.3
Industrial machinery and equipment	14,652	14,366	13,971	+2.0	+2.8	-1.5	14,580	14,232	13,845	13,053	+11.7
Electronic and other electrical equipment	10,348	10,305	10,305	+0.4	0.0	+0.4	10,443	10,343	10,274	10,397	+0.4
Transportation equipment	12,155	12,034	12,087	+1.0	-0.4	+1.1	12,062	12,063	12,156	13,590	-11.2
Instruments and related products	6,835	6,856	6,831	-0.3	+0.4	+0.8	6,871	6,861	6,818	6,887	-0.2
Lumber, furniture and miscellaneous durable goods	8,190	8,139	7,928	+0.6	+2.7	-1.7	7,986	7,905	7,793	7,904	+1.0
Nondurable goods industries	52,903	52,672	52,329	+0.4	+0.7	+0.4	52,612	52,858	52,488	51,486	+2.2
Food and kindred products	10,046	10,094	10,041	-0.5	+0.5	-0.2	9,955	10,191	10,090	9,981	-0.3
Tobacco products	5,286	5,252	5,270	+0.6	-0.3	+0.6	5,176	5,287	5,414	4,946	+4.7
Textile mill products	2,637	2,552	2,602	+3.3	-1.9	-0.9	2,699	2,580	2,633	2,658	+1.5
Paper and allied products	6,704	6,724	6,736	-0.3	-0.2	+0.8	6,691	6,774	6,809	6,864	-2.5
Chemicals and allied products	11,774	11,671	11,578	+0.9	+0.8	+0.9	11,723	11,632	11,507	11,242	+4.3
Petroleum and coal products	3,301	3,260	3,226	+1.3	+1.1	-1.9	3,328	3,255	3,148	3,268	+1.8
Rubber and plastics products	4,390	4,407	4,350	-0.4	+1.3	+0.1	4,335	4,399	4,332	4,293	+1.0
Apparel, printing and publishing and leather goods	8,765	8,712	8,526	+0.6	+2.2	+1.4	8,705	8,740	8,555	8,234	+5.7
WORK IN PROCESS											
All manufacturing industries	128,795	128,770	129,199	0.0	-0.3	-0.4	129,706	129,563	129,441	134,841	-3.8
Durable goods industries	105,811	105,671	106,071	+0.1	-0.4	-0.5	106,729	106,279	106,421	112,366	-5.0
Stone, clay, and glass products	1,125	1,135	1,143	-0.9	-0.7	+0.6	1,156	1,182	1,195	1,204	-4.0
Primary metals	6,875	6,961	7,208	-1.2	-3.4	+0.1	6,951	7,049	7,236	7,656	-9.2
Fabricated metal products	7,596	7,616	7,636	-0.3	-0.3	+0.6	7,651	7,662	7,666	7,814	-2.1
Industrial machinery and equipment	17,126	17,122	17,023	0.0	+0.6	-1.4	17,470	17,219	17,003	19,207	-9.0
Electronic and other electrical equipment	13,898	13,616	13,450	+2.1	+1.2	+0.5	14,082	13,760	13,464	12,582	+11.9
Transportation equipment	44,824	44,745	45,191	+0.2	-1.0	-0.9	44,926	44,852	45,541	48,552	-7.5
Instruments and related products	9,816	9,956	9,977	-1.4	-0.2	-1.6	9,916	10,003	9,857	11,135	-10.9
Lumber, furniture and miscellaneous durable goods	4,551	4,520	4,443	+0.7	+1.7	+5.5	4,577	4,552	4,459	4,216	+8.6
Nondurable goods industries	22,984	23,099	23,128	-0.5	-0.1	-0.1	22,977	23,284	23,020	22,475	+2.2
Food and kindred products	3,706	3,716	3,742	-0.3	-0.7	+0.6	3,480	3,607	3,745	3,379	+3.0
Tobacco products	179	165	151	+8.5	+9.3	0.0	142	135	138	81	+75.3
Textile mill products	2,471	2,468	2,398	+0.1	+2.9	-0.9	2,524	2,492	2,386	2,481	+1.7
Paper and allied products	1,215	1,220	1,206	-0.4	+1.2	-3.2	1,220	1,244	1,223	1,197	+1.9
Chemicals and allied products	5,481	5,537	5,640	-1.0	-1.8	-1.5	5,605	5,663	5,549	5,498	+1.9
Petroleum and coal products	2,735	2,816	2,787	-2.9	+1.0	+0.3	2,743	2,823	2,731	2,858	-4.0
Rubber and plastics products	1,701	1,688	1,659	+0.8	+1.7	-0.5	1,692	1,688	1,645	1,623	+4.3
Apparel, printing and publishing and leather goods	5,496	5,489	5,545	+0.1	-1.0	+1.7	5,571	5,632	5,603	5,358	+4.0
FINISHED GOODS											
All manufacturing industries	131,232	130,776	130,147	+0.3	+0.5	+0.5	133,490	132,160	130,156	130,965	+1.9
Durable goods industries	63,329	63,283	62,914	+0.1	+0.6	+0.4	65,075	64,571	63,166	65,672	-0.9
Stone, clay, and glass products	4,103	4,132	4,160	-0.7	-0.7	0.0	4,229	4,290	4,273	4,382	-3.5
Primary metals	6,102	5,908	5,876	+3.3	+0.5	-2.1	6,236	6,006	5,916	6,279	-0.7
Fabricated metal products	7,822	7,862	7,663	-0.5	+2.6	+0.2	8,145	8,183	7,854	8,034	+1.4
Industrial machinery and equipment	13,114	13,285	13,486	-1.3	-1.5	+0.1	13,378	13,387	13,315	14,623	-8.5
Electronic and other electrical equipment	8,420	8,337	8,145	+1.0	+2.4	+0.2	8,826	8,518	8,112	9,001	-1.9
Transportation equipment	8,665	8,655	8,607	+0.1	+0.6	-0.2	8,616	8,658	8,458	8,853	-2.7
Instruments and related products	6,098	6,086	6,171	+0.2	-1.4	+0.9	6,270	6,230	6,184	5,948	+5.4
Lumber, furniture and miscellaneous durable goods	9,005	9,018	8,806	-0.1	+2.4	+3.7	9,375	9,299	9,054	8,552	+9.6
Nondurable goods industries	67,903	67,493	67,233	+0.6	+0.4	+0.5	68,415	67,589	66,990	65,293	+4.8
Food and kindred products	16,462	16,263	16,127	+1.2	+0.8	+0.3	15,556	15,412	15,447	14,960	+4.0
Tobacco products	1,217	1,141	1,279	+6.7	-10.8	+3.2	1,190	1,275	1,279	1,502	-20.8
Textile mill products	4,221	4,259	4,192	-0.9	+1.6	+2.3	4,404	4,385	4,175	3,972	+10.9
Paper and allied products	5,596	5,551	5,525	+0.8	+0.5	0.0	5,848	5,782	5,652	5,830	+0.3
Chemicals and allied products	17,742	17,669	17,676	+0.4	0.0	0.0	17,826	17,945	18,202	17,277	+3.2
Petroleum and coal products	5,640	5,793	5,671	-2.6	+2.2	+2.3	5,702	5,662	5,478	5,562	+2.5
Rubber and plastics products	5,924	5,845	5,825	+1.4	+0.3	+0.8	6,092	6,021	6,040	5,387	+13.1
Apparel, printing and publishing and leather goods	11,101	10,972	10,938	+1.2	+0.3	-0.4	11,797	11,107	10,717	10,803	+9.2

[p] Prelimary. [r] Revised.

Table 8. RATIOS OF MANUFACTURES' INVENTORIES TO SHIPMENTS AND UNFILLED ORDERS TO SHIPMENTS, BY INDUSTRY GROUP
(Based on seasonally adjusted data)

Industry	Inventory / Shipments ratio				Unfilled Orders / Shipments ratio[1]			
	May 1993[p]	Apr. 1993[r]	Mar. 1993	Feb. 1993	May 1993[p]	Apr. 1993[r]	Mar. 1993	Feb. 1993
ll manufacturing industries	1.50	1.49	1.47	1.48	3.46	3.50	3.45	3.54
able goods industries	1.80	1.79	1.75	1.77	4.22	4.25	4.18	4.30
one, clay, and glass products	1.35	1.33	1.39	1.34	1.42	1.36	1.41	1.34
imary metals	1.72	1.68	1.66	1.67	2.08	2.05	2.02	2.00
bricated metal products	1.63	1.66	1.65	1.66	1.70	1.74	1.74	1.79
dustrial machinery and equipment	1.92	1.95	1.87	1.97	2.33	2.38	2.26	2.39
ectronic and other lectrical equipment	1.74	1.73	1.70	1.72	2.26	2.30	2.27	2.35
ansportation equipment	1.92	1.86	1.82	1.84	13.17	12.84	12.57	13.07
struments and related products	2.15	2.18	2.16	2.17	5.21	5.30	5.19	5.22
durable goods industries	1.18	1.17	1.16	1.16	0.78	0.79	0.78	0.79
od and kindred products	0.91	0.88	0.88	0.89	(X)	(X)	(X)	(X)
bacco products	2.49	2.46	2.27	2.33	(X)	(X)	(X)	(X)
xtile mill products	1.60	1.60	1.60	1.54	(NA)	(NA)	(NA)	(NA)
per and allied products	1.24	1.26	1.24	1.25	(NA)	(NA)	(NA)	(NA)
emicals and allied products	1.37	1.34	1.32	1.34	(X)	(X)	(X)	(X)
troleum and coal products	0.89	0.91	0.88	0.87	(X)	(X)	(X)	(X)
bber and plastics products	1.40	1.40	1.36	1.34	(X)	(X)	(X)	(X)

[p] Preliminary. [r] Revised. (X) Not applicable. (NA) Not available.

[1] Excludes the following industries with no unfilled orders : Wood and lumber products; glass containers; metal cans, barrels and drums; farm and garden machinery; tor vehicle assembly operations; other transportation equipment; foods and related products; tobacco; knitting mill products; apparel and related products; chemicals; roleum and coal products; and rubber and plastics products.

Table 9. REVISIONS TO PREVIOUSLY PUBLISHED MONTHLY PERCENT CHANGES
(Based on seasonally adjusted data)

Industry	Shipments			New orders			Unfilled orders			Inventories		
	May[1] 1993	May[2] 1988-1992	May 1992-Apr. 1993	May[1] 1993	May[2] 1988-1992	May 1992-Apr. 1993	May[1] 1993	May[2] 1988-1992	May 1992-Apr. 1993	May[1] 1993	May[2] 1988-1992	May 1992-Apr. 1993
ll manufacturing industries	(X)	0.2	0.2	(X)	0.5	0.3	(X)	0.1	0.1	(X)	0.2	0.1
able goods industries	0.0	0.1	0.3	-0.1	0.8	0.6	0.0	0.1	0.1	(X)	0.1	0.1
one, clay, and glass products	(X)	0.6	0.7	(X)	0.6	1.1	(X)	0.6	0.5	(X)	0.3	0.2
imary metals	0.1	0.3	0.3	0.4	1.5	1.1	0.2	0.5	0.3	(X)	0.2	0.1
bricated metal products	(X)	0.3	0.3	(X)	0.5	0.8	(X)	0.2	0.4	(X)	0.2	0.2
dustrial machinery and equipment	0.1	0.6	0.6	-0.3	1.0	0.6	-0.2	0.1	0.1	(X)	0.2	0.1
ectronic and other lectrical equipment	-0.2	0.3	0.4	-0.3	0.4	0.5	0.0	0.1	0.1	(X)	0.1	0.1
ansportation equipment	-0.2	0.4	0.8	-0.6	2.8	1.9	0.0	0.2	0.2	(X)	0.2	0.2
struments and related products	(X)	1.3	0.9	(X)	0.6	1.0	(X)	0.1	0.1	(X)	0.2	0.2
durable goods industries	(X)	0.2	0.1	(X)	0.2	0.1	(X)	0.6	0.4	(X)	0.2	0.1
od and kindred products	(X)	0.8	0.3	(X)	(X)	(X)	(X)	(X)	(X)	(X)	0.9	0.3
bacco products	(X)	5.5	2.5	(X)	(X)	(X)	(X)	(X)	(X)	(X)	0.2	0.2
xtile mill products	(X)	0.8	0.5	(X)	(NA)	(NA)	(X)	(NA)	(NA)	(X)	0.2	0.3
per and allied products	(X)	0.1	0.2	(X)	(NA)	(NA)	(X)	(NA)	(NA)	(X)	0.1	0.4
emicals and allied products	(X)	0.3	0.2	(X)	(X)	(X)	(X)	(X)	(X)	(X)	0.1	0.2
troleum and coal products	(X)	0.4	0.3	(X)	(X)	(X)	(X)	(X)	(X)	(X)	0.5	0.3
bber and plastics products	(X)	1.1	0.4	(X)	(X)	(X)	(X)	(X)	(X)	(X)	0.5	0.2
tal goods industries : ndefense	-0.1	0.6	0.7	-0.3	2.2	1.3	-0.1	0.1	0.1	(X)	0.1	0.1
fense	-0.8	1.8	1.2	-2.4	10.1	5.6	-0.1	0.3	0.2	(X)	0.5	0.4

(X) Not applicable. (NA) Not available.

Note : The five year and the twelve month revisions are the differences between the month-to-month percent changes of the preliminary and final estimates. The nnthly averages are the simple averages of the absolute values of the differences for the months specified. The advance to final percent change revisions for the dable goods industries are shown in the advance report for the month.

[1] The current month revisions are the difference between the advance precent change and the percent change as shown in this publication.

[2] Average for this month for the last five years.

Table A. REVISED VALUE OF MANUFACTURERS' INVENTORIES FOR INDUSTRY GROUPS
(Millions of dollars)

Industry	Seasonally adjusted						Not seasonally adjusted				
	Monthly			Percent Change			Monthly				Percent change
	Mar. 1993	Feb. 1993	Jan. 1993	Feb.-Mar.	Jan.-Feb.	Dec.-Jan.	Mar. 1993	Feb. 1993	Jan. 1993	Mar. 1992	Mar. 93/92
All manufacturing industries	379,539	379,232	378,624	+0.1	+0.2	-0.2	379,471	381,149	377,941	383,555	-1.1
Manufacturing industries:											
with unfilled orders	250,551	251,190	251,177	-0.3	+0.0	-0.4	250,300	251,672	249,008	260,521	-3.9
without defense capital goods	350,774	349,835	348,907	+0.3	+0.3	+0.0	350,722	352,118	349,092	348,964	+0.5
Durable goods industries	236,849	237,034	236,332	-0.1	+0.3	-0.6	236,973	238,245	234,875	245,992	-3.7
With unfilled orders	217,546	218,194	217,998	-0.3	+0.1	-0.6	217,149	218,689	216,138	227,133	-4.4
Industrial machinery and equipment	44,480	44,930	45,072	-1.0	-0.3	-1.1	44,163	45,254	44,881	46,448	-4.9
Computer and office equipment	9,589	9,910	10,040	-3.2	-1.3	-2.1	9,209	9,870	9,902	10,227	-10.0

Table B. REVISED VALUE OF MANUFACTURERS' TOTAL INVENTORIES FOR TOPICAL SERIES
(Millions of dollars)

Industry	Seasonally adjusted						Not seasonally adjusted				
	Monthly			Percent Change			Monthly				Percen change
	Mar. 1993	Feb. 1993	Jan. 1993	Feb.-Mar.	Jan.-Feb.	Dec.-Jan.	Mar. 1993	Feb. 1993	Jan. 1993	Mar. 1992	Mar. 93/92
All manufacturing industries	379,539	379,232	378,624	+0.1	+0.2	-0.2	379,471	381,149	377,941	383,555	-1.1
Market categories :											
Machinery and equipment	87,899	87,985	87,396	-0.1	+0.7	-0.5	87,846	88,776	86,955	89,254	-1.6
Other materials, supplies and intermediate products	125,211	125,249	125,328	0.0	-0.1	-0.3	125,606	126,200	125,794	127,306	-1.3
Durable goods industries :											
Nondefense capital goods [3]	82,611	83,013	82,724	-0.5	+0.3	-0.6	82,253	83,559	82,197	85,004	-3.2
Excluding aircraft and parts	53,900	54,237	54,224	-0.6	+0.0	-0.5	53,382	54,343	53,695	55,345	-3.5
Durables excluding capital goods	125,473	124,624	123,891	+0.7	+0.6	-0.3	125,971	125,655	123,829	126,397	-0.3
Miscellaneous series :											
Producers' durable equipment	141,164	141,039	140,362	+0.1	+0.5	-0.4	141,153	142,138	139,856	143,953	-1.9
Information technology industries	28,276	28,400	28,338	-0.4	+0.2	-0.1	27,824	28,310	28,005	28,146	-1.1

See footnotes at end of table 5.

Table C. REVISED VALUE OF MANUFACTURERS' INVENTORIES, BY STAGE OF FABRICATION, BY INDUSTRY GROUP
(Millions of dollars)

Industry	Seasonally adjusted						Not seasonally adjusted				
	Monthly			Percent Change			Monthly				Percent change
	Mar. 1993	Feb. 1993	Jan. 1993	Feb.-Mar.	Jan.-Feb.	Dec.-Jan.	Mar. 1993	Feb. 1993	Jan. 1993	Mar. 1992	Mar. 93/92
MATERIALS AND SUPPLIES											
ll manufacturing industries	120,193	119,960	119,993	+0.2	+0.0	-0.3	119,874	120,507	121,497	120,157	-0.2
rable goods industries	67,864	67,839	67,707	+0.0	+0.2	-0.7	67,386	68,012	68,358	68,456	-1.6
ndustrial machinery and equipment	13,971	14,185	14,075	-1.5	+0.8	+0.5	13,845	14,286	14,306	13,187	+5.0
WORK IN PROCESS											
ll manufacturing industries	129,199	129,713	129,388	-0.4	+0.3	-0.5	129,441	129,913	127,741	135,253	-4.3
rable goods industries	106,071	106,552	106,426	-0.5	+0.1	-0.7	106,421	106,826	104,883	113,133	-5.9
ndustrial machinery and equipment	17,023	17,272	17,338	-1.4	-0.4	-1.0	17,003	17,191	16,926	19,120	-11.1
FINISHED GOODS											
ll manufacturing industries	130,147	129,559	129,243	+0.5	+0.2	+0.3	130,156	130,729	128,703	128,145	+1.6
rable goods industries	62,914	62,643	62,199	+0.4	+0.7	-0.3	63,166	63,407	61,634	64,403	-1.9
ndustrial machinery and equipment	13,486	13,473	13,659	+0.1	-1.4	-2.9	13,315	13,777	13,649	14,141	-5.8

Table D. REVISED RATIOS OF MANUFACTURES' INVENTORIES TO SHIPMENTS, BY INDUSTRY GROUP
(Based on seasonally adjusted data)

Industry	Inventory / Shipments ratio			
	Mar. 1993	Feb. 1993	Jan. 1993	Dec. 1992
All manufacturing industries	1.47	1.48	1.50	1.48
Durable goods industries	1.75	1.77	1.81	1.77
Industrial machinery and equipment .	1.87	1.97	2.00	2.02

U.S. Department of Commerce
BUREAU OF THE CENSUS
Washington, D.C. 20233

Official Business

Penalty for Private Use, $300

U.S.MAIL

POSTAGE AND FEES P
U.S. DEPARTMENT OF COMME

COM-

First Class Mail

. 158:M 3-1-(93)-6

nt Industrial Reports, Manufac...

OCT 13 1993

Manufacturers' Shipments, Inventories, and Orders

S. Department of Commerce
REAU OF THE CENSUS

June 1993
M3-1-(93)-6
For Wire Transmissions 10:00 a.m. E.D.T. August 5, 1993

ve Andrews or Kathy Menth
1)763-2502 or (301)763-2575

Note: All figures in text are in seasonally adjusted current dollars

mmary

New orders for manufactured goods in June increased .4 billion or 2.6 percent to $254.8 billion, the Department Commerce, Bureau of the Census reported today. This llows a 1.6 percent decrease in May, and is the first crease since February. Year-to-date new orders for 1993 taled $1,519.3 billion, 6.1 percent above the same period year ago.

Shipments increased $4.6 billion or 1.8 percent to 58.7 billion, following a 0.4 percent decrease in May. ar-to-date shipments for 1993 totaled $1,536.4 billion, 6.2 rcent above the same period a year ago.

Unfilled orders decreased $3.9 billion or 0.8 percent to 58.3 billion, the lowest level since September 1988. This the fourth consecutive monthly decline. The unfilled ders-to-shipments ratio decreased from 3.42 in May to 3 in June, the lowest ratio since April 1978.

Inventories decreased $0.2 billion or 0.1 percent to 81.4 billion. This is the first decline since January. The ventories-to-shipments ratio decreased from 1.50 in May 1.47 in June.

ease note that revisions in data reported for new orders d unfilled orders for October 1992 through March 1993 pear in Tables A - I.

w Orders

New orders for durable goods in June increased $4.9 lion or 3.8 percent to $131.6 billion, following a 2.4 rcent decrease in May. This is the first increase since bruary.

Transportation equipment had the largest increase, up 6 billion or 15.1 percent to $35.1 billion, primarily due to craft and parts. This follows three consecutive monthly clines. Excluding transportation equipment, new orders durable goods increased $0.3 billion or 0.3 percent. ctronic and other electrical equipment was up $0.8 billion 4.5 percent to $19.0 billion, primarily due to electronic mponents. Stone, clay and glass products had the largest cline, down $0.4 billion or 7.4 percent to $5.5 billion. dustrial machinery and equipment was down $0.3 billion 1.4 percent to $22.9 billion.

New orders for nondurable goods increased $1.6 billion 1.3 percent to $123.1 billion, following a 0.8 percent crease in May. The largest increases were in chemicals d allied products and food and kindred products. Paper d allied products and petroleum and coal products had largest decreases.

Shipments

Shipments of durable goods in June increased $3.1 billion or 2.3 percent to $135.4 billion, following a 0.3 percent decrease in May. All major groups increased except lumber and wood products and industrial machinery and equipment. Transportation equipment had the largest increase, up $1.7 billion or 4.9 percent to $35.9 billion, due to motor vehicles and parts and aircraft and parts. Electronic and other electrical equipment increased $0.7 billion or 3.6 percent to $19.5 billion, primarily due to electronic components. Primary metals increased $0.4 billion or 3.8 percent to $11.6 billion.

Shipments of nondurable goods increased $1.5 billion or 1.3 percent to $123.2 billion, following a 0.5 percent decrease in May. The largest increases were in chemicals and allied products, up $1.0 billion or 3.8 percent to $26.7 billion, and food and kindred products, up $0.9 billion or 2.6 percent to $34.3 billion. The largest decrease was in petroleum and coal products, down $0.3 billion or 2.6 percent to $12.7 billion. Paper and allied products was down $0.2 billion or 1.8 percent to $10.7 billion.

Unfilled Orders

Unfilled orders for durable goods in June decreased $3.8 billion or 0.9 percent to $435.4 billion, the lowest level since August 1988. This is the fourth consecutive monthly decline. Instruments and related products had the largest decrease, down $1.0 billion or 1.8 percent to $54.0 billion, primarily due to search and navigation equipment. Transportation equipment, down for the fourteenth month in a row, declined $0.9 billion or 0.4 percent to $230.1 billion, primarily due to aircraft and parts and shipbuilding and tanks. This is the lowest level since April 1989. Electronic and other electrical equipment declined $0.5 billion or 1.2 percent to $41.7 billion, the lowest level since March 1987. Unfilled orders for nondurable goods decreased $0.1 billion or 0.5 percent to $22.9 billion.

Inventories

Inventories for durable goods in June decreased $0.2 billion or 0.1 percent to $237.5 billion. Transportation equipment had the largest decrease, down $0.3 billion or 0.4 percent to $65.3 billion, due to aircraft and parts. Industrial machinery and equipment had the largest increase, up $0.3 billion or 0.6 percent to $45.1 billion. Nondurable goods inventories declined slightly to $143.8 billion.

By stage of fabrication, finished goods decreased 0.5 percent in durables and 0.2 percent in nondurables. Work in process was up 0.4 percent in durables and 0.5 percent in nondurables. Materials and supplies decreased 0.4 percent in durables and was unchanged in nondurables.

advance report on durable goods for July is scheduled for August 25, 1993 at 8:30 a.m. and the full report on September 2, 1993 at 10:00 a.m. For sale he Superintendent of Documents, U.S. Government Printing Office, Washington, DC 20402. This report is also available the day of issue through the partment of Commerce's online Economic Bulletin Board (N-8-1) (202-482-3870) and through the Census Bureau's online information service-CENDATA. NDATA is available from Dialog Information Services, Inc. (1-800-334-2564) and CompuServe (1-800-848-8199). The CENDATA staff at the Bureau of Census (301-763-2074) can provide content information and general guidance.

Table I. VALUE OF MANUFACTURERS' SHIPMENTS FOR INDUSTRY GROUPS
(Millions of dollars)

Industry	Seasonally adjusted						Not seasonally adjusted[1]						
	Monthly			Percent Change			Monthly				Percent change	Year to date	
	June 1993[p]	May 1993[r]	Apr. 1993	May-June	Apr.-May	Mar.-Apr.	June 1993[p]	May 1993[r]	Apr. 1993	June 1992	June 93/92	1993[p]	1992
All manufacturing industries	258,653	254,007	255,114	+1.8	-0.4	-1.5	278,170	256,332	253,519	264,336	+5.2	1,536,894	1,447,10
Manufacturing Industries													
with unfilled orders	137,811	135,264	135,206	+1.9	0.0	-1.7	149,184	134,261	133,076	143,052	+4.3	812,648	776,62
without defense capital goods	251,088	246,619	247,605	+1.8	-0.4	-1.4	270,123	249,143	246,531	255,833	+5.6	1,493,254	1,399,91
Durable goods industries	135,412	132,307	132,763	+2.3	-0.3	-2.0	148,605	134,897	133,168	138,168	+7.6	807,983	746,69
With unfilled orders	108,478	105,706	105,836	+2.6	-0.1	-2.2	119,286	105,404	103,975	113,221	+5.4	638,592	605,77
Stone, clay, and glass products	5,779	5,726	5,819	+0.9	-1.6	+4.2	6,378	5,837	5,940	6,148	+3.7	33,419	31,58
Primary metals	11,605	11,181	11,392	+3.8	-1.9	-2.5	12,273	11,409	11,711	12,147	+1.0	69,955	69,21
Blast furnaces, steel mills	5,228	5,158	5,180	+1.4	-0.4	-1.4	5,542	5,287	5,329	5,150	+7.6	31,750	29,79
Iron and steel foundries	1,014	961	1,038	+5.5	-7.4	-3.1	1,121	1,043	1,102	1,148	-2.4	6,384	6,22
Nonferrous and other primary metals	5,363	5,062	5,174	+5.9	-2.2	-3.4	5,610	5,079	5,280	5,849	-4.1	31,821	33,20
Fabricated metal products	14,320	14,102	13,923	+1.5	+1.3	-1.4	15,482	14,445	13,882	14,407	+7.5	84,736	79,53
Industrial machinery and equipment	23,142	23,275	22,911	-0.6	+1.6	-3.8	26,876	23,026	22,505	25,072	+7.2	140,858	126,00
Engines and turbines	1,623	1,496	1,458	+8.5	+2.6	-3.3	1,898	1,478	1,397	1,652	+14.9	9,043	8,16
Farm and garden machinery	1,487	1,555	1,600	-4.4	-2.8	+13.2	1,526	1,795	2,101	1,242	+22.9	10,180	8,76
Construction, mining and material handling equipment	2,457	2,489	2,431	-1.3	+2.4	-3.1	2,666	2,568	2,564	2,387	+11.7	15,153	12,39
Metalworking machinery	2,477	2,633	2,622	-5.9	+0.4	+1.7	2,740	2,579	2,391	2,729	+0.4	15,213	13,78
Computer and office equipment	5,978	5,968	5,964	+0.2	+0.1	-7.1	8,047	5,201	4,808	7,515	+7.1	35,503	31,37
Electronic and other electrical equipment	19,513	18,832	18,596	+3.6	+1.3	-0.9	20,981	18,435	17,808	18,337	+14.4	110,576	100,29
Electrical transmission and distribution equipment and industrial apparatus	2,357	2,361	2,411	-0.2	-2.1	+2.9	2,574	2,371	2,417	2,488	+3.5	14,373	13,8
Household appliances	1,645	1,596	1,567	+3.1	+1.9	-3.2	1,860	1,637	1,599	1,669	+11.4	9,696	8,9
Electric lighting and wiring equipment	1,703	1,689	1,657	+0.8	+1.9	-4.7	1,822	1,674	1,567	1,675	+8.8	10,029	9,1
Household audio and video equipment	861	894	907	-3.7	-1.4	-1.8	857	722	728	829	+3.4	4,770	4,7
Communications equipment	3,938	3,779	3,688	+4.2	+2.5	-0.6	4,354	3,654	3,403	3,737	+16.5	21,701	19,4
Electronic components	7,042	6,569	6,431	+7.2	+2.1	+0.5	7,317	6,546	6,407	5,859	+24.9	38,948	33,8
Transportation equipment	35,934	34,261	35,180	+4.9	-2.6	-3.0	39,337	36,797	36,734	35,818	+9.8	218,548	197,6
Motor vehicles and parts	23,361	22,325	23,127	+4.6	-3.5	-2.7	25,490	25,065	24,903	21,071	+21.0	146,359	119,7
Aircraft, missiles, space vehicles, and parts	10,245	9,617	9,686	+6.5	-0.7	-3.2	11,502	9,335	9,337	12,469	-7.8	57,743	64,4
Shipbuilding and tanks	930	946	977	-1.7	-3.2	-2.3	939	931	929	974	-3.6	5,652	5,8
Instruments and related products	10,759	10,565	10,510	+1.8	+0.5	-1.3	11,760	10,480	10,024	11,667	+0.8	63,098	63,1
Search and navigation equipment	2,803	2,764	2,675	+1.4	+3.3	-3.5	3,052	2,691	2,413	3,077	-0.8	16,029	16,5
Measuring and controlling devices	2,860	2,912	2,863	-1.8	+1.7	+0.7	3,049	2,904	2,773	2,999	+1.7	17,230	16,8
Medical instruments and supplies	2,910	2,755	2,845	+5.6	-3.2	-2.8	3,149	2,716	2,798	3,162	-0.4	17,278	17,4
Photographic goods	1,857	1,802	1,797	+3.1	+0.3	+0.2	2,154	1,828	1,709	2,081	+3.5	10,568	10,4
All other durable goods	14,360	14,365	14,432	0.0	-0.5	-1.6	15,518	14,468	14,564	14,572	+6.5	86,793	79,2
Nondurable goods industries	123,241	121,700	122,351	+1.3	-0.5	-0.9	129,565	121,435	120,351	126,168	+2.7	728,911	700,4
With unfilled orders	29,333	29,558	29,370	-0.8	+0.6	0.0	29,898	28,857	29,101	29,831	+0.2	174,056	170,8
Food and kindred products	34,317	33,440	34,148	+2.6	-2.1	+0.4	35,749	34,023	33,389	33,758	+5.9	201,728	194,2
Meat products	7,948	7,919	7,850	+0.4	+0.9	+0.6	8,282	8,258	7,715	7,683	+7.8	46,886	43,7
Dairy products	4,579	4,472	4,520	+2.4	-1.1	+1.6	4,845	4,576	4,469	4,648	+4.2	26,593	25,8
Beverages	4,910	4,864	4,730	+0.9	+2.8	-0.6	5,651	5,342	4,740	5,436	+4.0	28,938	28,6
All other foods, except fats and oils	15,135	14,518	15,382	+4.2	-5.6	+0.7	15,226	14,180	14,799	14,401	+5.7	89,097	86,3
Tobacco products	2,666	2,584	2,669	+3.2	-3.2	-9.4	3,437	2,842	1,873	4,264	-19.4	15,939	15,4
Textile mill products	5,948	5,866	5,802	+1.4	+1.1	+0.9	6,613	5,812	5,641	6,505	+1.7	34,927	34,4
Broadwoven fabrics and other textiles	3,570	3,627	3,652	-1.6	-0.7	+0.9	3,863	3,689	3,569	4,019	-3.9	21,888	21,8
Paper and allied products	10,702	10,903	10,741	-1.8	+1.5	-0.9	11,156	10,728	10,564	11,461	-2.7	64,768	65,3
Pulp, paper, and paperboard mill products	4,344	4,400	4,386	-1.3	+0.3	+1.5	4,513	4,355	4,315	4,681	-3.6	26,212	26,7
Paperboard containers and boxes	2,627	2,672	2,684	-1.7	-0.4	-0.4	2,711	2,677	2,691	2,855	-5.0	15,943	16,1
Miscellaneous converted paper products	3,731	3,831	3,671	-2.6	+4.4	-4.1	3,932	3,696	3,558	3,925	+0.2	22,613	22,4
Chemicals and allied products	26,671	25,683	25,971	+3.8	-1.1	-1.7	28,474	25,920	26,958	26,888	+5.9	159,558	151,9
Industrial chemicals	13,641	13,346	13,445	+2.2	-0.7	-1.0	14,337	13,476	13,891	13,867	+3.4	82,133	78,2
Drugs, soaps, and toiletries	9,856	9,301	9,573	+6.0	-2.8	-3.0	10,438	8,623	9,159	9,675	+7.9	57,151	53,6
Petroleum and coal products	12,685	13,021	13,072	-2.6	-0.4	-1.9	13,237	13,139	12,589	14,190	-6.7	74,836	73,4
Rubber and plastics products	8,710	8,608	8,523	+1.2	+1.0	-2.1	9,439	8,765	8,708	9,341	+1.0	52,853	52,7
All other nondurable goods	21,542	21,595	21,425	-0.2	+0.8	-0.1	21,460	20,206	20,629	19,761	+8.6	124,302	112,7

[p] Preliminary. [r] Revised.

[1] Shipments and new orders are the totals for the period and are adjusted for trading-day and calendar-month variations.

Table 2. VALUE OF MANUFACTURERS' NEW ORDERS FOR INDUSTRY GROUPS
(Millions of dollars)

Industry	Seasonally adjusted						Not seasonally adjusted[1]						
	Monthly			Percent Change			Monthly				Percent change	Year to date	
	June 1993[p]	May 1993[r]	Apr. 1993	May-June	Apr.-May	Mar.-Apr.	June 1993[p]	May 1993[r]	Apr. 1993	June 1992	June 93/92	1993[p]	1992
All manufacturing industries	254,769	248,335	252,369	+2.6	-1.6	-0.3	271,444	250,090	251,370	259,968	+4.4	1,522,932	1,436,052
anufacturing industries vith unfilled orders	133,927	129,592	132,461	+3.3	-2.2	+0.7	142,458	128,019	130,927	138,684	+2.7	798,686	765,572
vithout defense capital goods	248,894	242,901	245,516	+2.5	-1.1	0.0	265,978	245,793	245,336	253,050	+5.1	1,485,840	1,398,114
rable goods industries	131,648	126,783	129,838	+3.8	-2.4	-0.1	142,017	128,752	130,821	133,979	+6.0	793,002	735,010
Vith unfilled orders	104,714	100,182	102,911	+4.5	-2.7	+0.3	112,698	99,259	101,628	109,032	+3.4	623,611	594,086
one, clay, and glass products	5,457	5,894	5,892	-7.4	0.0	+3.5	6,063	6,214	6,011	6,265	-3.2	34,337	32,321
mary metals	11,096	10,962	11,212	+1.2	-2.2	-6.7	11,481	10,946	11,435	12,145	-5.5	72,208	69,112
Blast furnaces, steel mills	5,127	5,140	5,078	-0.3	+1.2	-9.7	5,307	5,041	5,082	5,117	+3.7	33,887	29,297
Iron and steel foundries	924	970	1,049	-4.7	-7.5	+4.4	999	1,063	1,116	1,144	-12.7	6,333	6,186
Nonferrous and other primary metals	5,045	4,852	5,085	+4.0	-4.6	-5.6	5,175	4,842	5,237	5,884	-12.0	31,988	33,629
bricated metal products	13,921	13,913	13,648	+0.1	+1.9	-0.8	14,917	14,111	13,583	14,692	+1.5	83,561	78,843
lustrial machinery and equipment	22,874	23,200	22,999	-1.4	+0.9	-2.0	26,176	23,211	22,362	24,505	+6.8	140,863	124,836
Engines and turbines	1,722	1,393	1,344	+23.6	+3.6	-25.4	2,046	1,309	1,175	1,828	+11.9	8,589	7,945
Construction, mining and material handling equipment	2,316	2,585	2,400	-10.4	+7.7	-3.7	2,377	2,647	2,415	2,289	+3.8	15,098	12,283
Metalworking machinery	2,664	2,409	2,506	+10.6	-3.9	+3.4	2,927	2,355	2,275	2,572	+13.8	14,735	13,827
Computer and office equipment	5,915	6,258	5,900	-5.5	+6.1	-2.5	7,869	5,882	4,741	7,222	+9.0	36,010	30,528
ectronic and other lectrical equipment	19,023	18,197	18,862	+4.5	-3.5	+5.5	19,724	17,817	18,682	18,027	+9.4	110,128	100,779
Electrical transmission and distribution equipment and industrial apparatus	2,323	2,315	2,479	+0.3	-6.6	+5.8	2,494	2,312	2,487	2,377	+4.9	14,563	13,685
Electric lighting and wiring equipment	1,685	1,748	1,706	-3.6	+2.5	+2.5	1,804	1,733	1,616	1,583	+14.0	10,174	8,993
Communications equipment	4,186	3,825	3,834	+9.4	-0.2	+13.8	4,614	3,658	3,528	3,827	+20.6	21,439	19,438
Electronic components	6,362	5,891	6,437	+8.0	-8.5	+6.1	6,064	5,939	7,026	5,800	+4.6	38,196	34,506
nsportation equipment	35,072	30,482	31,798	+15.1	-4.1	-1.3	37,836	32,169	33,341	33,622	+12.5	202,502	188,671
Aircraft, missiles, space vehicles, and parts	9,798	6,294	6,852	+55.7	-8.1	+8.1	10,545	5,130	6,430	10,618	-0.7	42,624	55,955
Shipbuilding and tanks	616	246	442	+150.4	-44.3	-36.5	643	308	482	430	+49.5	4,506	4,214
truments and related products	9,776	9,838	11,041	-0.6	-10.9	+7.3	10,424	9,751	10,361	10,299	+1.2	61,290	59,663
Search and navigation equipment	2,033	2,114	3,338	-3.8	-36.7	+22.2	1,889	2,027	2,872	2,000	-5.5	14,594	13,988
Measuring and controlling devices	2,856	2,731	2,954	+4.6	-7.5	+6.9	3,045	2,723	2,864	2,978	+2.2	17,200	16,479
Medical instruments and supplies	2,727	2,882	2,712	-5.4	+6.3	-1.8	2,966	2,843	2,665	2,865	+3.5	16,962	16,836
other durable goods	14,429	14,297	14,386	+0.9	-0.6	-1.2	15,396	14,533	15,046	14,424	+6.7	88,113	80,785
ndurable goods industries	123,121	121,552	122,531	+1.3	-0.8	-0.5	129,427	121,338	120,549	125,989	+2.7	729,930	701,042
With unfilled orders	29,213	29,410	29,550	-0.7	-0.5	+1.8	29,760	28,760	29,299	29,652	+0.4	175,075	171,486

[p] Preliminary. [r] Revised.

[1] Shipments and new orders are the totals for the period and are adjusted for trading-day and calendar-month variations.

(n) When new orders for a prior month are negative because of cancellations, the percentage change calculation is algebraically negative, even though there is a net dollar rease from the prior month to the current month.

Table 3. VALUE OF MANUFACTURERS' UNFILLED ORDERS FOR INDUSTRY GROUPS
(Millions of dollars)

Industry	Seasonally adjusted						Not seasonally adjusted				
	Monthly			Percent Change			Monthly				Percent change
	June 1993[p]	May 1993[r]	Apr. 1993	May-June	Apr.-May	Mar.-Apr.	June 1993[p]	May 1993[r]	Apr. 1993	June 1992	June 93/92
All manufacturing industries	458,262	462,146	467,818	-0.8	-1.2	-0.6	458,224	464,950	471,192	496,713	-7.7
Manufacturing industries without defense capital goods	334,351	336,545	340,263	-0.7	-1.1	-0.6	334,992	339,137	342,487	360,516	-7.1
Durable goods industries	435,397	439,161	444,685	-0.9	-1.2	-0.7	435,144	441,732	447,877	473,706	-8.1
Stone, clay, and glass products	7,192	7,514	7,346	-4.3	+2.3	+1.0	7,310	7,625	7,248	7,273	+0.5
Primary metals	22,650	23,159	23,378	-2.2	-0.9	-0.8	22,929	23,721	24,184	21,708	+5.6
Blast furnaces, steel mills	10,559	10,660	10,678	-0.9	-0.2	-0.9	10,559	10,794	11,040	8,278	+27.6
Iron and steel foundries	2,779	2,869	2,860	-3.1	+0.3	+0.4	2,779	2,901	2,881	2,919	-4.8
Nonferrous and other primary metals	9,312	9,630	9,840	-3.3	-2.1	-0.9	9,591	10,026	10,263	10,511	-8.8
Fabricated metal products	21,714	22,113	22,302	-1.8	-0.8	-1.2	21,586	22,151	22,485	23,243	-7.1
Industrial machinery and equipment	50,352	50,620	50,695	-0.5	-0.1	+0.2	50,124	50,824	50,639	51,589	-2.8
Engines and turbines	9,893	9,794	9,897	+1.0	-1.0	-1.1	9,602	9,454	9,623	9,286	+3.4
Construction, mining and material handling equipment	5,628	5,769	5,673	-2.4	+1.7	-0.5	5,544	5,833	5,754	5,599	-1.0
Metalworking machinery	6,855	6,668	6,892	+2.8	-3.3	-1.7	6,855	6,668	6,892	8,521	-19.6
Computer and office equipment	7,508	7,571	7,281	-0.8	+4.0	-0.9	7,628	7,806	7,125	7,799	-2.2
Electronic and other electrical equipment	41,671	42,161	42,796	-1.2	-1.5	+0.6	41,639	42,896	43,514	42,051	-1.0
Electrical transmission and distribution equipment and industrial apparatus	5,782	5,816	5,862	-0.6	-0.8	+1.2	5,742	5,822	5,881	6,081	-5.6
Electric lighting and wiring equipment	3,125	3,143	3,084	-0.6	+1.9	+1.6	3,125	3,143	3,084	2,991	+4.5
Communications equipment	13,198	12,950	12,904	+1.9	+0.4	+1.1	13,160	12,900	12,896	13,194	-0.3
Electronic components	14,797	15,477	16,155	-4.4	-4.2	0.0	14,930	16,183	16,790	15,142	-1.4
Transportation equipment	230,142	231,004	234,783	-0.4	-1.6	-1.4	229,800	231,301	235,929	264,891	-13.2
Aircraft, missiles, space vehicles, and parts	202,386	202,833	206,156	-0.2	-1.6	-1.4	202,057	203,014	207,219	232,908	-13.2
Shipbuilding and tanks	19,989	20,303	21,003	-1.5	-3.3	-2.5	20,068	20,364	20,987	24,029	-16.5
Instruments and related products	54,044	55,027	55,754	-1.8	-1.3	+1.0	53,779	55,115	55,844	54,794	-1.9
Search and navigation equipment	36,032	36,802	37,452	-2.1	-1.7	+1.8	35,720	36,883	37,547	37,295	-4.2
Measuring and controlling devices	9,158	9,162	9,343	0.0	-1.9	+1.0	9,158	9,162	9,343	8,874	+3.2
Medical instruments and supplies	8,107	8,290	8,163	-2.2	+1.6	-1.6	8,107	8,290	8,163	7,633	+6.2
All other durable goods	7,632	7,563	7,631	+0.9	-0.9	-0.6	7,977	8,099	8,034	8,157	-2.2
Nondurable goods industries	22,865	22,985	23,133	-0.5	-0.6	+0.8	23,080	23,218	23,315	23,007	+0.3

[p] Preliminary. [r] Revised.

Table 4. VALUE OF MANUFACTURERS' INVENTORIES FOR INDUSTRY GROUPS
(Millions of dollars)

Industry	Seasonally adjusted						Not seasonally adjusted				
	Monthly			Percent Change			Monthly				Percent change June 93/92
	June 1993[p]	May 1993[r]	Apr. 1993	May-June	Apr.-May	Mar.-Apr.	June 1993[p]	May 1993[r]	Apr. 1993	June 1992	
All manufacturing industries	381,362	381,591	380,307	-0.1	+0.3	+0.2	379,587	383,932	382,062	381,052	-0.4
anufacturing industries ith unfilled orders	251,326	251,705	250,732	-0.2	+0.4	+0.1	251,447	254,302	252,355	258,191	-2.6
ithout defense capital goods	352,869	352,921	351,799	0.0	+0.3	+0.3	350,812	354,937	353,433	347,736	+0.9
urable goods industries	237,542	237,734	237,043	-0.1	+0.3	+0.1	236,927	239,823	238,331	242,887	-2.5
With unfilled orders	218,166	218,427	217,578	-0.1	+0.4	0.0	218,013	220,543	218,745	224,725	-3.0
one, clay, and glass products	7,687	7,724	7,757	-0.5	-0.4	-0.3	7,717	7,878	7,931	7,913	-2.5
imary metals	19,112	19,206	19,123	-0.5	+0.4	-1.1	19,045	19,250	19,119	19,767	-3.7
Blast furnaces, steel mills	9,390	9,444	9,409	-0.6	+0.4	-1.9	9,221	9,352	9,262	9,796	-5.9
Iron and steel foundries	1,375	1,389	1,383	-1.0	+0.4	-0.8	1,394	1,425	1,425	1,422	-2.0
Nonferrous and other primary metals	8,347	8,373	8,331	-0.3	+0.5	-0.3	8,430	8,473	8,432	8,549	-1.4
bricated metal products	23,093	23,128	23,123	-0.2	0.0	-0.8	23,330	23,418	23,399	23,859	-2.2
dustrial machinery and equipment	45,071	44,805	44,773	+0.6	+0.1	+0.7	44,569	45,262	44,838	45,591	-2.2
Engines and turbines	3,542	3,552	3,562	-0.3	-0.3	+1.7	3,524	3,615	3,591	3,313	+6.4
Farm and garden machinery	2,105	2,098	2,194	+0.3	-4.4	-5.7	2,033	2,072	2,191	2,253	-9.8
Construction, mining and material handling equipment	5,873	5,863	5,899	+0.2	-0.6	-1.1	5,902	5,928	5,979	6,082	-3.0
Metalworking machinery	5,231	5,171	5,179	+1.2	-0.2	-0.2	5,179	5,199	5,214	5,383	-3.8
Computer and office equipment	10,277	10,130	9,904	+1.5	+2.3	+3.3	9,876	10,319	9,761	9,952	-0.8
ctronic and other lectrical equipment	32,527	32,621	32,258	-0.3	+1.1	+1.1	32,865	33,335	32,621	31,834	+3.2
Electrical transmission and distribution equipment and industrial apparatus	4,364	4,380	4,394	-0.4	-0.3	+0.5	4,392	4,459	4,461	4,551	-3.5
Household appliances	2,566	2,614	2,599	-1.8	+0.6	+2.1	2,679	2,831	2,759	2,667	+0.4
Electric lighting and wiring equipment	2,863	2,860	2,863	+0.1	-0.1	-0.3	2,955	2,937	2,906	3,025	-2.3
Household audio and video equipment	1,143	1,097	1,051	+4.2	+4.4	-0.1	1,191	1,105	1,030	1,225	-2.8
Communications equipment	8,272	8,292	8,113	-0.2	+2.2	+2.2	8,282	8,470	8,203	7,234	+14.5
Electronic components	9,943	10,007	9,899	-0.6	+1.1	+0.9	9,963	10,079	9,873	9,607	+3.7
ansportation equipment	65,349	65,642	65,434	-0.4	+0.3	-0.7	64,541	65,573	65,573	69,591	-7.3
Motor vehicles and parts	11,533	11,478	11,414	+0.5	+0.6	+0.5	10,948	11,089	11,318	11,442	-4.3
Aircraft, missiles, space vehicles, and parts	49,377	49,809	49,640	-0.9	+0.3	-1.0	49,154	50,138	49,877	53,774	-8.6
Shipbuilding and tanks	1,884	1,815	1,807	+3.8	+0.4	-1.8	1,919	1,822	1,813	2,037	-5.8
truments and related products	22,781	22,776	22,898	0.0	-0.5	-0.4	22,905	23,071	23,094	23,724	-3.5
Search and navigation equipment	6,016	6,064	6,153	-0.8	-1.4	-1.2	6,042	6,126	6,198	7,352	-17.8
Measuring and controlling devices	6,617	6,607	6,662	+0.2	-0.8	+0.2	6,637	6,677	6,696	6,663	-0.4
Medical instruments and supplies	6,366	6,346	6,336	+0.3	+0.2	+0.4	6,366	6,418	6,362	6,191	+2.8
Photographic goods	2,997	2,978	2,975	+0.6	+0.1	-1.7	3,048	3,044	3,040	2,768	+10.1
other durable goods	21,922	21,832	21,677	+0.4	+0.7	+2.4	21,955	22,036	21,756	20,608	+6.5
ndurable goods industries	143,820	143,857	143,264	0.0	+0.4	+0.4	142,660	144,109	143,731	138,165	+3.3
With unfilled orders	33,160	33,278	33,154	-0.4	+0.4	+0.5	33,434	33,759	33,610	33,466	-0.1
od and kindred products	30,343	30,177	30,073	+0.6	+0.3	+0.5	28,860	28,927	29,210	28,166	+2.5
Meat products	3,087	3,087	3,059	0.0	+0.9	+0.4	3,099	3,130	3,128	2,810	+10.3
Dairy products	2,823	2,887	2,763	-2.2	+4.5	+2.8	2,919	2,959	2,793	2,872	+1.6
Beverages	5,337	5,344	5,331	-0.1	+0.2	+1.5	5,316	5,341	5,370	5,291	+0.5
All other foods, except fats and oils	17,621	17,425	17,448	+1.1	-0.1	0.0	16,106	16,100	16,419	15,796	+2.0
bacco products	6,828	6,732	6,558	+1.4	+2.7	-2.1	6,418	6,528	6,697	5,978	+7.4
xtile mill products	9,184	9,308	9,279	-1.3	+0.3	+0.9	9,256	9,622	9,457	8,999	+2.9
Broadwoven fabrics and other textiles	5,249	5,377	5,358	-2.4	+0.4	+1.0	5,212	5,504	5,450	5,203	+0.2
per and allied products	13,476	13,513	13,495	-0.3	+0.1	+0.2	13,538	13,768	13,800	13,615	-0.6
Pulp, paper, and paperboard mill products	5,622	5,620	5,611	0.0	+0.2	+0.5	5,644	5,735	5,724	5,736	-1.6
Paperboard containers and boxes	3,245	3,239	3,239	+0.2	0.0	-0.9	3,239	3,241	3,272	3,259	-0.6
Miscellaneous converted paper products	4,609	4,654	4,645	-1.0	+0.2	+0.6	4,655	4,792	4,804	4,620	+0.8
emicals and allied products	34,975	35,053	34,877	-0.2	+0.5	0.0	34,714	35,239	35,240	33,598	+3.3
ndustrial chemicals	17,118	17,208	17,198	-0.5	+0.1	+0.4	17,050	17,218	17,306	17,149	-0.6
Drugs, soaps, and toiletries	13,496	13,462	13,272	+0.3	+1.4	-1.0	13,590	13,736	13,368	12,540	+8.4
troleum and coal products	11,402	11,619	11,869	-1.9	-2.1	+1.6	11,445	11,748	11,740	11,945	-4.2
bber and plastics products	12,100	12,087	11,940	+0.1	+1.2	+0.9	12,004	12,197	12,108	11,197	+7.2
other nondurable goods	25,512	25,368	25,173	+0.6	+0.8	+0.7	26,425	26,080	25,479	24,667	+7.1

[p] Preliminary. [r] Revised.

Table 5. VALUE OF MANUFACTURERS' SHIPMENTS AND NEW ORDERS FOR TOPICAL SERIES[1]
(Millions of dollars)

Industry	Seasonally adjusted						Not seasonally adjusted [2]						
	Monthly			Percent Change			Monthly				Percent change	Year to date	
	June 1993[p]	May 1993[r]	Apr. 1993	May-June	Apr.-May	Mar.-Apr.	June 1993[p]	May 1993[r]	Apr. 1993	June 1992	June 93/92	1993[p]	1992
SHIPMENTS													
All manufacturing industries	258,653	254,007	255,114	+1.8	-0.4	-1.5	278,170	256,332	253,519	264,336	+5.2	1,536,894	1,447,106
Market categories :													
Automotive equipment	11,886	11,470	11,702	+3.6	-2.0	-2.6	12,864	12,809	12,620	10,683	+20.4	74,207	60,846
Home goods and apparel	17,675	17,476	17,163	+1.1	+1.8	-0.7	18,594	16,209	16,080	16,342	+13.8	100,919	88,933
Consumer staples	57,157	55,941	56,955	+2.2	-1.8	-1.1	60,198	55,987	54,718	59,011	+2.0	336,006	323,533
Machinery and equipment	43,977	42,981	42,712	+2.3	+0.6	-2.9	49,661	43,429	42,371	45,820	+8.4	261,343	237,766
Business supplies	19,589	19,539	19,493	+0.3	+0.2	-0.9	20,175	19,496	19,852	19,917	+1.3	116,389	113,258
Construction materials and supplies	16,412	16,399	16,263	+0.1	+0.8	-0.7	18,117	16,906	16,340	16,891	+7.3	97,236	89,659
Defense products	7,855	7,551	7,698	+4.0	-1.9	-3.2	8,330	7,375	7,275	8,559	-2.7	45,152	48,001
Other materials, supplies and and intermediate products	84,102	82,650	83,128	+1.8	-0.6	-1.1	90,231	84,121	84,263	87,113	+3.6	505,642	485,110
Durable goods industries :													
Nondefense capital goods [3]	33,438	32,703	32,235	+2.2	+1.5	-3.8	38,679	31,782	30,813	36,924	+4.8	195,774	183,993
Excluding aircraft and parts	27,252	27,083	26,706	+0.6	+1.4	-3.8	31,488	26,319	25,367	29,214	+7.8	161,690	145,788
Defense capital goods [4]	7,565	7,388	7,509	+2.4	-1.6	-3.1	8,047	7,189	6,988	8,503	-5.4	43,640	47,190
Durables excluding capital goods	94,409	92,216	93,019	+2.4	-0.9	-1.3	101,879	95,926	95,367	92,741	+9.9	568,569	515,511
Miscellaneous series :													
Producers' durable equipment	85,923	84,087	84,265	+2.2	-0.2	-2.5	95,364	86,279	84,596	87,218	+9.3	516,727	465,823
Household durable goods	7,330	7,211	7,162	+1.7	+0.7	-1.3	7,661	6,888	6,915	7,067	+8.4	42,623	39,669
Information technology industries	14,840	14,702	14,534	+0.9	+1.2	-3.2	17,851	13,826	12,875	16,619	+7.4	86,494	79,607
Health care equipment and products	8,256	7,804	8,036	+5.8	-2.9	-2.9	8,812	7,407	7,771	8,412	+4.8	48,296	46,565
NEW ORDERS													
All manufacturing industries	254,769	248,335	252,369	+2.6	-1.6	-0.3	271,444	250,090	251,370	259,968	+4.4	1,522,932	1,436,052
Market categories :													
Automotive equipment	11,881	11,529	11,685	+3.1	-1.3	-2.5	12,809	12,866	12,609	10,624	+20.6	74,263	60,858
Home goods and apparel	17,784	17,355	17,113	+2.5	+1.4	-0.8	18,706	16,188	16,313	16,468	+13.6	103,139	90,499
Consumer staples	57,140	56,014	56,942	+2.0	-1.6	-1.2	60,252	55,980	54,703	59,071	+2.0	335,993	323,467
Machinery and equipment	44,133	40,618	40,796	+8.7	-0.4	+2.6	49,327	41,347	40,510	43,919	+12.3	251,730	234,506
Business supplies	19,524	19,496	19,419	+0.1	+0.4	-0.6	20,101	19,479	19,762	19,953	+0.7	116,278	113,325
Construction materials and supplies	16,051	16,457	16,242	-2.5	+1.3	+0.4	17,686	17,032	16,333	17,227	+2.7	97,657	90,277
Defense products	6,240	5,647	7,203	+10.5	-21.6	-7.5	5,854	4,521	6,385	7,355	-20.4	38,635	39,054
Other materials, supplies and and intermediate products	82,016	81,219	82,969	+1.0	-2.1	+0.1	86,709	82,677	84,755	85,351	+1.6	505,237	484,066
Durable goods industries :													
Nondefense capital goods [3]	33,372	29,931	30,453	+11.5	-1.7	+4.6	38,097	29,221	28,926	34,666	+9.9	184,403	179,875
Excluding aircraft and parts	26,989	26,755	27,445	+0.9	-2.5	+0.4	30,709	26,202	26,001	28,586	+7.4	162,246	145,399
Defense capital goods [4]	5,875	5,434	6,853	+8.1	-20.7	-7.5	5,466	4,297	6,034	6,918	-21.0	37,092	37,938
Durables excluding capital goods	92,401	91,418	92,532	+1.1	-1.2	-0.9	98,454	95,234	95,861	92,395	+6.6	571,507	517,197
Miscellaneous series :													
Producers' durable equipment	86,260	81,719	82,239	+5.6	-0.6	+0.3	94,577	84,116	82,968	85,542	+10.6	509,358	462,772
Household durable goods	7,284	7,148	7,215	+1.9	-0.9	+1.5	7,489	6,733	7,360	6,978	+7.3	43,680	40,670
Information technology industries	14,832	14,813	15,197	+0.1	-2.5	+5.9	17,740	14,345	13,524	16,104	+10.2	87,199	78,297
Health care equipment and products	8,074	7,931	7,903	+1.8	+0.4	-2.6	8,630	7,534	7,638	8,115	+6.3	47,982	45,970

[p] Preliminary. [r] Revised.

[1] Topical series are regroupings of the separate industry categories.

[2] Shipments and new orders are the totals for the period and are adjusted for trading-day and calendar-month variations.

[3] Nondefense capital goods industries include : ordnance and accessories; steam, gas and hydraulic turbines; internal combustion engines; construction, mining, and mat handling equipment; metalworking machinery; special industry machinery; general industrial machinery; computer and office equipment; refrigeration, heating and ser industry machinery; electrical transmission and distribution equipment; electrical industrial apparatus; communications equipment; aircraft, missiles, space vehicles, and eng and parts; ships and tank components; railroad equipment; and search and navigation equipment.

[4] Defense capital goods industries include : ordnance and accessories; communications equipment; aircraft, missiles, space vehicles, and engines and parts; ships, t and tank components; and search and navigation equipment.

Table 6. VALUE OF MANUFACTURERS' UNFILLED ORDERS AND TOTAL INVENTORIES FOR TOPICAL SERIES[1]
(Millions of dollars)

Industry	Seasonally adjusted						Not seasonally adjusted				
	Monthly			Percent Change			Monthly				Percent change June 93/92
	June 1993[p]	May 1993[r]	Apr. 1993	May-June	Apr.-May	Mar.-Apr.	June 1993[p]	May 1993[r]	Apr. 1993	June 1992	
UNFILLED ORDERS											
All manufacturing industries	458,262	462,146	467,818	-0.8	-1.2	-0.6	458,224	464,950	471,192	496,713	-7.7
Market categories :											
Automotive equipment	1,666	1,672	1,612	-0.4	+3.7	-1.0	1,641	1,696	1,639	1,683	-2.5
Home goods and apparel	10,374	10,265	10,385	+1.1	-1.2	-0.5	10,811	10,698	10,719	9,801	+10.3
Consumer staples	1,462	1,479	1,407	-1.1	+5.1	-0.9	1,425	1,372	1,379	1,275	+11.8
Machinery and equipment	187,870	187,714	190,077	+0.1	-1.2	-1.0	187,892	188,226	190,308	211,126	-11.0
Business supplies	5,585	5,650	5,693	-1.2	-0.8	-1.3	5,577	5,651	5,668	5,898	-5.4
Construction materials and supplies	14,668	15,029	14,971	-2.4	+0.4	-0.1	14,748	15,179	15,053	14,890	-1.0
Defense products	117,618	119,233	121,137	-1.4	-1.6	-0.4	116,819	119,295	122,149	128,546	-9.1
Other materials, supplies and and intermediate products	119,019	121,104	122,536	-1.7	-1.2	-0.1	119,311	122,833	124,277	123,494	-3.4
Durable goods industries :											
Nondefense capital goods [3]	206,112	206,178	208,950	0.0	-1.3	-0.8	205,813	206,395	208,956	231,614	-11.1
Excluding aircraft and parts	71,115	71,378	71,706	-0.4	-0.5	+1.0	70,816	71,595	71,712	72,514	-2.3
Defense capital goods [4]	123,911	125,601	127,555	-1.3	-1.5	-0.5	123,232	125,813	128,705	136,197	-9.5
Durables excluding capital goods	105,374	107,382	108,180	-1.9	-0.7	-0.4	106,099	109,524	110,216	105,895	+0.2
Miscellaneous series :											
Producers' durable equipment	211,228	210,891	213,259	+0.2	-1.1	-0.9	211,005	211,792	213,955	233,575	-9.7
Household durable goods	5,283	5,329	5,392	-0.9	-1.2	+1.0	5,483	5,655	5,810	5,407	+1.4
Information technology industries	31,683	31,691	31,580	0.0	+0.4	+2.1	31,821	31,932	31,413	31,458	+1.2
Health care equipment and products	8,136	8,319	8,192	-2.2	+1.6	-1.6	8,137	8,319	8,192	7,663	+6.2
TOTAL INVENTORIES											
All manufacturing industries	381,362	381,591	380,307	-0.1	+0.3	+0.2	379,587	383,932	382,062	381,052	-0.4
Market categories :											
Automotive equipment	6,218	6,204	6,207	+0.2	0.0	+0.7	5,987	6,121	6,211	5,980	+0.1
Home goods and apparel	30,148	29,985	29,688	+0.5	+1.0	+1.0	31,289	31,232	30,171	28,906	+8.2
Consumer staples	59,692	59,598	59,201	+0.2	+0.7	+0.1	58,136	58,659	58,610	56,160	+3.5
Machinery and equipment	88,368	88,354	88,104	0.0	+0.3	+0.2	87,591	89,281	88,659	87,938	-0.4
Business supplies	21,500	21,682	21,606	-0.8	+0.4	+1.0	21,466	21,756	21,766	21,842	-1.7
Construction materials and supplies	23,397	23,300	23,354	+0.4	-0.2	+0.6	23,619	23,648	23,694	23,024	+2.6
Defense products	26,930	27,186	26,947	-0.9	+0.9	-0.6	27,122	27,498	27,052	30,940	-12.3
Other materials, supplies and and intermediate products	125,109	125,282	125,200	-0.1	+0.1	0.0	124,377	125,737	125,899	126,262	-1.5
Durable goods industries :											
Nondefense capital goods [3]	83,132	83,152	82,893	0.0	+0.3	+0.3	82,372	84,065	83,324	83,588	-1.5
Excluding aircraft and parts	55,191	54,892	54,541	+0.5	+0.6	+1.2	54,952	55,773	54,847	55,057	-0.2
Defense capital goods [4]	28,493	28,670	28,508	-0.6	+0.6	-0.9	28,775	28,995	28,629	33,316	-13.6
Durables excluding capital goods	125,917	125,912	125,642	0.0	+0.2	+0.1	125,780	126,763	126,378	125,983	-0.2
Miscellaneous series :											
Producers' durable equipment	142,333	142,303	141,801	0.0	+0.4	+0.5	141,531	143,661	142,662	142,561	-0.7
Household durable goods	13,373	13,358	13,129	+0.1	+1.7	+1.3	13,690	13,767	13,277	13,275	+3.1
Information technology industries	29,250	29,055	28,699	+0.7	+1.2	+1.5	28,930	29,581	28,759	28,088	+3.0
Health care equipment and products	13,692	13,655	13,542	+0.3	+0.8	-0.3	13,740	13,873	13,620	13,002	+5.7

See footnotes at end of table 5.

Table 7. VALUE OF MANUFACTURERS' INVENTORIES, BY STAGE OF FABRICATION, BY INDUSTRY GROUP
(Millions of dollars)

Industry	Seasonally adjusted						Not seasonally adjusted				
	Monthly			Percent Change			Monthly				Percent change June 93/92
	June 1993[p]	May 1993[r]	Apr. 1993	May-June	Apr.-May	Mar.-Apr.	June 1993[p]	May 1993[r]	Apr. 1993	June 1992	
MATERIALS AND SUPPLIES											
All manufacturing industries	121,071	121,366	120,761	-0.2	+0.5	+0.5	119,891	120,645	120,339	120,510	-0.5
Durable goods industries	68,120	68,401	68,089	-0.4	+0.5	+0.3	67,457	67,985	67,481	68,831	-2.0
Stone, clay, and glass products	2,524	2,497	2,490	+1.1	+0.3	+0.4	2,518	2,477	2,459	2,454	+2.6
Primary metals	6,222	6,187	6,254	+0.6	-1.1	-0.1	6,107	5,995	6,064	6,145	-0.6
Fabricated metal products	7,695	7,595	7,645	+1.3	-0.7	-4.5	7,683	7,523	7,554	8,152	-5.8
Industrial machinery and equipment	14,459	14,616	14,366	-1.1	+1.7	+2.8	14,279	14,549	14,232	13,293	+7.4
Electronic and other electrical equipment	10,384	10,364	10,305	+0.2	+0.6	0.0	10,332	10,461	10,343	10,300	+0.3
Transportation equipment	11,605	12,047	12,034	-3.7	+0.1	-0.4	11,471	12,070	12,063	13,588	-15.6
Instruments and related products	6,745	6,828	6,856	-1.2	-0.4	+0.4	6,791	6,874	6,861	6,926	-1.9
Lumber, furniture and miscellaneous durable goods	8,486	8,267	8,139	+2.6	+1.6	+2.7	8,276	8,036	7,905	7,973	+3.8
Nondurable goods industries	52,951	52,965	52,672	0.0	+0.6	+0.7	52,434	52,660	52,858	51,679	+1.5
Food and kindred products	10,298	10,086	10,094	+2.1	-0.1	+0.5	10,085	9,951	10,191	9,854	+2.3
Tobacco products	5,324	5,297	5,252	+0.5	+0.9	-0.3	5,056	5,176	5,287	4,890	+3.4
Textile mill products	2,614	2,639	2,552	-0.9	+3.4	-1.9	2,644	2,698	2,580	2,675	-1.2
Paper and allied products	6,717	6,723	6,724	-0.1	0.0	-0.2	6,704	6,715	6,774	6,778	-1.1
Chemicals and allied products	11,571	11,743	11,671	-1.5	+0.6	+0.8	11,569	11,707	11,632	11,539	+0.3
Petroleum and coal products	3,228	3,285	3,260	-1.7	+0.8	+1.1	3,238	3,326	3,255	3,258	-0.6
Rubber and plastics products	4,409	4,450	4,407	-0.9	+1.0	+1.3	4,319	4,408	4,399	4,292	+0.6
Apparel, printing and publishing and leather goods	8,790	8,742	8,712	+0.5	+0.3	+2.2	8,819	8,679	8,740	8,393	+5.1
WORK IN PROCESS											
All manufacturing industries	129,552	129,032	128,770	+0.4	+0.2	-0.3	129,028	129,714	129,563	132,119	-2.3
Durable goods industries	106,436	106,042	105,671	+0.4	+0.4	-0.4	106,206	106,735	106,279	109,856	-3.3
Stone, clay, and glass products	1,126	1,123	1,135	+0.3	-1.1	-0.7	1,135	1,154	1,182	1,169	-2.9
Primary metals	6,835	6,913	6,961	-1.1	-0.7	-3.4	6,892	7,002	7,049	7,566	-8.9
Fabricated metal products	7,646	7,653	7,616	-0.1	+0.5	-0.3	7,619	7,688	7,662	7,707	-1.1
Industrial machinery and equipment	17,446	17,164	17,122	+1.6	+0.2	+0.6	17,367	17,447	17,219	18,224	-4.7
Electronic and other electrical equipment	13,730	13,811	13,616	-0.6	+1.4	+1.2	13,758	14,010	13,760	12,498	+10.1
Transportation equipment	45,076	44,935	44,745	+0.3	+0.4	-1.0	44,779	44,887	44,852	47,583	-5.9
Instruments and related products	9,979	9,853	9,956	+1.3	-1.0	-0.2	10,016	9,921	10,003	10,926	-8.3
Lumber, furniture and miscellaneous durable goods	4,598	4,590	4,520	+0.2	+1.5	+1.7	4,640	4,626	4,552	4,183	+10.9
Nondurable goods industries	23,116	22,990	23,099	+0.5	-0.5	-0.1	22,822	22,979	23,284	22,263	+2.5
Food and kindred products	3,750	3,692	3,716	+1.6	-0.6	-0.7	3,503	3,469	3,607	3,378	+3.7
Tobacco products	188	179	165	+5.0	+8.5	+9.3	139	142	135	79	+75.9
Textile mill products	2,424	2,462	2,468	-1.5	-0.2	+2.9	2,427	2,522	2,492	2,411	+0.7
Paper and allied products	1,224	1,223	1,220	+0.1	+0.2	+1.2	1,249	1,225	1,244	1,230	+1.5
Chemicals and allied products	5,652	5,528	5,537	+2.2	-0.2	-1.8	5,628	5,644	5,663	5,328	+5.6
Petroleum and coal products	2,588	2,693	2,816	-3.9	-4.4	+1.0	2,609	2,710	2,823	2,961	-11.9
Rubber and plastics products	1,746	1,701	1,688	+2.6	+0.8	+1.7	1,689	1,685	1,688	1,555	+8.6
Apparel, printing and publishing and leather goods	5,544	5,512	5,489	+0.6	+0.4	-1.0	5,578	5,582	5,632	5,321	+4.8
FINISHED GOODS											
All manufacturing industries	130,739	131,193	130,776	-0.3	+0.3	+0.5	130,668	133,573	132,160	128,423	+1.7
Durable goods industries	62,986	63,291	63,283	-0.5	0.0	+0.6	63,264	65,103	64,571	64,200	-1.5
Stone, clay, and glass products	4,037	4,104	4,132	-1.6	-0.7	-0.7	4,064	4,247	4,290	4,290	-5.3
Primary metals	6,055	6,106	5,908	-0.8	+3.4	+0.5	6,046	6,253	6,006	6,056	-0.2
Fabricated metal products	7,752	7,880	7,862	-1.6	+0.2	+2.6	8,028	8,207	8,183	8,000	+0.3
Industrial machinery and equipment	13,166	13,025	13,285	+1.1	-2.0	-1.5	12,923	13,266	13,387	14,074	-8.2
Electronic and other electrical equipment	8,413	8,446	8,337	-0.4	+1.3	+2.4	8,775	8,864	8,518	9,036	-2.9
Transportation equipment	8,668	8,660	8,655	+0.1	+0.1	+0.6	8,291	8,616	8,658	8,420	-1.5
Instruments and related products	6,057	6,095	6,086	-0.6	+0.1	-1.4	6,098	6,276	6,230	5,872	+3.8
Lumber, furniture and miscellaneous durable goods	8,838	8,975	9,018	-1.5	-0.5	+2.4	9,039	9,374	9,299	8,452	+6.9
Nondurable goods industries	67,753	67,902	67,493	-0.2	+0.6	+0.4	67,404	68,470	67,589	64,223	+5.0
Food and kindred products	16,295	16,399	16,263	-0.6	+0.8	+0.8	15,272	15,507	15,412	14,934	+2.3
Tobacco products	1,316	1,256	1,141	+4.8	+10.1	-10.8	1,223	1,210	1,275	1,009	+21.2
Textile mill products	4,146	4,207	4,259	-1.4	-1.2	+1.6	4,185	4,402	4,385	3,913	+7.0
Paper and allied products	5,535	5,567	5,551	-0.6	+0.3	+0.5	5,585	5,828	5,782	5,607	-0.4
Chemicals and allied products	17,752	17,782	17,669	-0.2	+0.6	0.0	17,517	17,888	17,945	16,731	+4.7
Petroleum and coal products	5,586	5,641	5,793	-1.0	-2.6	+2.2	5,598	5,712	5,662	5,726	-2.2
Rubber and plastics products	5,945	5,936	5,845	+0.2	+1.6	+0.3	5,996	6,104	6,021	5,350	+12.1
Apparel, printing and publishing and leather goods	11,178	11,114	10,972	+0.6	+1.3	+0.3	12,028	11,819	11,107	10,953	+9.8

[p] Preliminary. [r] Revised.

Table 8. RATIOS OF MANUFACTURERS' INVENTORIES TO SHIPMENTS AND UNFILLED ORDERS TO SHIPMENTS, BY INDUSTRY GROUP
(Based on seasonally adjusted data)

Industry	Inventory / Shipments ratio				Unfilled Orders / Shipments ratio[1]			
	June 1993[p]	May 1993[r]	Apr. 1993	Mar. 1993	June 1993[p]	May 1993[r]	Apr. 1993	Mar. 1993
ll manufacturing industries	1.47	1.50	1.49	1.47	3.33	3.42	3.46	3.42
able goods industries	1.75	1.80	1.79	1.75	4.01	4.15	4.20	4.14
one, clay, and glass products	1.33	1.35	1.33	1.39	1.34	1.41	1.36	1.41
imary metals	1.65	1.72	1.68	1.66	1.95	2.07	2.05	2.02
bricated metal products	1.61	1.64	1.66	1.65	1.65	1.71	1.74	1.74
dustrial machinery and equipment	1.95	1.93	1.95	1.87	2.33	2.33	2.38	2.26
ectronic and other electrical equipment	1.67	1.73	1.73	1.70	2.14	2.24	2.30	2.27
ansportation equipment	1.82	1.92	1.86	1.82	12.06	12.84	12.56	12.33
struments and related products	2.12	2.16	2.18	2.16	5.02	5.21	5.30	5.19
ndurable goods industries	1.17	1.18	1.17	1.16	0.78	0.78	0.79	0.78
od and kindred products	0.88	0.90	0.88	0.88	(X)	(X)	(X)	(X)
bacco products	2.56	2.61	2.46	2.27	(X)	(X)	(X)	(X)
xtile mill products	1.54	1.59	1.60	1.60	(NA)	(NA)	(NA)	(NA)
per and allied products	1.26	1.24	1.26	1.24	(NA)	(NA)	(NA)	(NA)
hemicals and allied products	1.31	1.36	1.34	1.32	(X)	(X)	(X)	(X)
troleum and coal products	0.90	0.89	0.91	0.88	(X)	(X)	(X)	(X)
bber and plastics products	1.39	1.40	1.40	1.36	(X)	(X)	(X)	(X)

[p] Preliminary. [r] Revised. (X) Not applicable. (NA) Not available.

[1] Excludes the following industries with no unfilled orders : Wood and lumber products; glass containers; metal cans, barrels and drums; farm and garden machinery; otor vehicle assembly operations; other transportation equipment; foods and related products; tobacco; knitting mill products; apparel and related products; chemicals; troleum and coal products; and rubber and plastics products.

Table 9. REVISIONS TO PREVIOUSLY PUBLISHED MONTHLY PERCENT CHANGES
(Based on seasonally adjusted data)

Industry	Shipments			New orders			Unfilled orders			Inventories		
	June[1] 1993	June[2] 1988-1992	June 1992-May 1993	June[1] 1993	June[2] 1988-1992	June 1992-May 1993	June[1] 1993	June[2] 1988-1992	June 1992-May 1993	June[1] 1993	June[2] 1988-1992	June 1992-May 1993
ll manufacturing industries	(X)	0.1	0.2	(X)	0.1	0.2	(X)	0.1	0.1	(X)	0.1	0.0
able goods industries	0.0	0.1	0.3	0.0	0.4	0.3	-0.1	0.1	0.1	(X)	0.1	0.1
one, clay, and glass products	(X)	0.6	0.6	(X)	1.0	1.0	(X)	0.6	0.5	(X)	0.4	0.2
imary metals	0.3	0.4	0.3	0.5	0.7	1.0	0.1	0.3	0.3	(X)	0.3	0.1
bricated metal products	(X)	0.6	0.3	(X)	1.4	0.7	(X)	0.5	0.4	(X)	0.1	0.2
dustrial machinery and equipment	0.1	0.5	0.5	-0.4	0.8	0.5	-0.2	0.2	0.1	(X)	0.2	0.1
ectronic and other electrical equipment	0.3	0.2	0.4	1.2	0.7	0.4	0.4	0.1	0.1	(X)	0.2	0.1
ansportation equipment	0.1	0.4	0.7	0.0	1.0	0.9	0.0	0.1	0.1	(X)	0.2	0.1
struments and related products	(X)	0.3	0.4	(X)	0.7	0.9	(X)	0.3	0.1	(X)	0.1	0.2
ndurable goods industries	(X)	0.2	0.1	(X)	0.4	0.1	(X)	0.9	0.4	(X)	0.1	0.1
od and kindred products	(X)	0.4	0.1	(X)	(X)	(X)	(X)	(X)	(X)	(X)	0.1	0.1
bacco products	(X)	0.2	0.3	(X)	(X)	(X)	(X)	(X)	(X)	(X)	0.1	0.1
xtile mill products	(X)	1.3	0.5	(X)	(NA)	(NA)	(X)	(NA)	(NA)	(X)	0.5	0.2
per and allied products	(X)	0.7	0.3	(X)	(NA)	(NA)	(X)	(NA)	(NA)	(X)	0.8	0.4
hemicals and allied products	(X)	0.6	0.2	(X)	(X)	(X)	(X)	(X)	(X)	(X)	0.3	0.2
troleum and coal products	(X)	0.5	0.3	(X)	(X)	(X)	(X)	(X)	(X)	(X)	0.5	0.2
ubber and plastics products	(X)	1.1	0.3	(X)	(X)	(X)	(X)	(X)	(X)	(X)	0.4	0.2
pital goods industries :												
ondefense	0.1	0.3	0.5	0.1	1.2	0.5	0.0	0.4	0.1	(X)	0.1	0.1
efense	0.3	0.9	0.6	0.0	2.3	1.6	0.0	0.1	0.1	(X)	0.3	0.2

(X) Not applicable. (NA) Not available.

Note : The five year and the twelve month revisions are the differences between the month-to-month percent changes of the preliminary and final estimates. The onthly averages are the simple averages of the absolute values of the differences for the months specified. The advance to final percent change revisions for the rable goods industries are shown in the advance report for the month.

[1] The current month revisions are the difference between the advance precent change and the percent change as shown in this publication.

[2] Average for this month for the last five years.

Table A. REVISED VALUE OF MANUFACTURERS' NEW ORDERS FOR INDUSTRY GROUPS
(Millions of dollars)

Industry	Seasonally adjusted						Not seasonally adjusted[1]						
	Monthly			Percent Change			Monthly				Percent change	Year to date	
	Mar. 1993	Feb. 1993	Jan. 1993	Feb.-Mar.	Jan.-Feb.	Dec.-Jan.	Mar. 1993	Feb. 1993	Jan. 1993	Mar. 1992	Mar. 93/92	1993	199
All manufacturing industries	253,007	257,250	253,626	-1.6	+1.4	-1.2	264,583	254,237	231,208	249,846	+5.9	750,028	694,9
Manufacturing industries													
with unfilled orders	131,600	136,116	134,440	-3.3	+1.2	-2.2	139,965	134,927	122,390	136,062	+2.9	397,282	374,2
without defense capital goods	245,596	250,889	244,814	-2.1	+2.5	-1.7	256,275	248,735	223,723	242,246	+5.8	728,733	675,3
Durable goods industries	129,903	134,533	131,266	-3.4	+2.5	-2.3	139,127	134,067	118,218	130,088	+6.9	391,412	355,0
With unfilled orders	102,563	106,627	104,597	-3.8	+1.9	-2.8	110,166	105,388	94,472	106,044	+3.9	310,026	289,1
Transportation equipment	32,225	35,552	32,636	-9.4	+8.9	-6.8	35,577	35,832	27,747	34,634	+2.7	99,156	88,91
Aircraft, missiles, space vehicles, and parts	6,340	9,471	6,334	-33.1	+49.5	-29.3	7,947	8,604	3,968	12,435	-36.1	20,519	27,31

Table B. REVISED VALUE OF MANUFACTURERS' NEW ORDERS FOR INDUSTRY GROUPS
(Millions of dollars)

Industry	Seasonally adjusted						Not seasonally adjusted[1]						
	Monthly			Percent Change			Monthly				Percent change	Year to date	
	Dec. 1992	Nov. 1992	Oct. 1992	Nov.-Dec.	Oct.-Nov.	Sep.-Oct.	Dec. 1992	Nov. 1992	Oct. 1992	Dec. 1991	Dec. 92/91	1992	199
All manufacturing industries	256,727	243,106	244,882	+5.6	-0.7	+1.7	250,087	242,949	254,210	225,220	+11.0	2,898,545	2,812,2
Manufacturing industries													
with unfilled orders	137,395	127,747	131,153	+7.6	-2.6	+3.8	139,441	127,915	134,842	124,905	+11.6	1,541,111	1,513,0
without defense capital goods	249,135	236,486	237,468	+5.3	-0.4	+0.8	239,289	234,896	246,316	213,702	+12.0	2,818,261	2,719,8
Durable goods industries	134,348	123,096	125,656	+9.1	-2.0	+4.2	132,707	122,583	130,473	114,132	+16.3	1,471,367	1,414,5
With unfilled orders	107,620	98,306	101,718	+9.5	-3.4	+4.4	110,699	98,407	104,185	96,953	+14.2	1,192,554	1,166,8
Transportation equipment	35,003	28,290	31,891	+23.7	-11.3	+18.0	34,036	29,344	34,829	27,851	+22.2	363,255	359,8
Aircraft, missiles, space vehicles, and parts	8,963	5,253	9,501	+70.6	-44.7	+41.7	12,342	6,169	9,624	12,855	-4.0	103,776	131,4

[1] Shipments and new orders are the totals for the period and are adjusted for trading-day and calendar-month variations.

Table C. REVISED VALUE OF MANUFACTURERS' UNFILLED ORDERS FOR INDUSTRY GROUPS
(Millions of dollars)

Industry	Seasonally adjusted						Not seasonally adjusted				
	Monthly			Percent Change			Monthly				Percent change
	Mar. 1993	Feb. 1993	Jan. 1993	Feb.-Mar.	Jan.-Feb.	Dec.-Jan.	Mar. 1993	Feb. 1993	Jan. 1993	Mar. 1992	Mar. 93/92
l manufacturing industries	470,563	476,535	476,085	-1.3	+0.1	+0.2	473,341	478,551	476,613	505,663	-6.4
ufacturing industries: thout defense capital goods	342,352	347,983	346,138	-1.6	+0.5	-0.1	343,682	349,136	345,335	363,768	-5.5
ble goods industries	447,610	453,244	452,844	-1.2	+0.1	+0.1	450,224	455,596	454,071	482,227	-6.6
sportation equipment	238,165	242,204	242,639	-1.7	-0.2	-1.1	239,322	242,530	243,366	269,048	-11.0
ircraft, missiles, space vehicles, and parts	208,990	212,652	212,866	-1.7	-0.1	-1.7	210,126	212,943	213,589	237,382	-11.5

Table D. REVISED VALUE OF MANUFACTURERS' UNFILLED ORDERS FOR INDUSTRY GROUPS
(Millions of dollars)

Industry	Seasonally adjusted						Not seasonally adjusted				
	Monthly			Percent Change			Monthly				Percent change
	Dec. 1992	Nov. 1992	Oct. 1992	Nov.-Dec.	Oct.-Nov.	Sep.-Oct.	Dec. 1992	Nov. 1992	Oct. 1992	Dec. 1991	Dec. 92/91
l manufacturing industries	475,304	475,186	480,605	+0.0	-1.1	-0.1	472,186	471,455	477,677	507,767	-7.0
ufacturing industries: thout defense capital goods	346,577	346,238	350,659	+0.1	-1.3	-0.1	342,406	342,463	348,625	362,318	-5.5
ble goods industries	452,383	452,263	457,887	+0.0	-1.2	-0.2	450,125	449,259	455,010	485,390	-7.3
sportation equipment	245,267	246,649	252,477	-0.6	-2.3	-0.4	245,846	246,853	251,888	273,883	-10.2
ircraft, missiles, space vehicles, and parts	216,462	218,215	223,489	-0.8	-2.4	-0.3	217,176	218,487	222,968	241,378	-10.0

Table E. REVISED VALUE OF MANUFACTURERS' NEW ORDERS FOR TOPICAL SERIES[1]
(Millions of dollars)

Industry	Seasonally adjusted						Not seasonally adjusted [2]						
	Monthly			Percent Change			Monthly				Percent change	Year to date	
	Mar. 1993	Feb. 1993	Jan. 1993	Feb.-Mar.	Jan.-Feb.	Dec.-Jan.	Mar. 1993	Feb. 1993	Jan. 1993	Mar. 1992	Mar. 93/92	1993	1992
NEW ORDERS													
All manufacturing industries	253,007	257,250	253,626	-1.6	+1.4	-1.2	264,583	254,237	231,208	249,846	+5.9	750,028	694,90
Market categories :													
Machinery and equipment	39,772	43,408	39,546	-8.4	+9.8	-7.3	43,806	42,641	34,099	43,456	+0.8	120,546	112,79
Durable goods industries :													
Nondefense capital goods [3]	29,122	32,748	28,645	-11.1	+14.3	-11.2	32,662	31,526	23,971	34,773	-6.1	88,159	87,67

Table F. REVISED VALUE OF MANUFACTURERS' NEW ORDERS FOR TOPICAL SERIES[1]
(Millions of dollars)

Industry	Seasonally adjusted						Not seasonally adjusted [2]						
	Monthly			Percent Change			Monthly				Percent change	Year to date	
	Dec. 1992	Nov. 1992	Oct. 1992	Nov.-Dec.	Oct.-Nov.	Sep.-Oct.	Dec. 1992	Nov. 1992	Oct. 1992	Dec. 1991	Dec. 92/91	1992	199
NEW ORDERS													
All manufacturing industries	256,727	243,106	244,882	+5.6	-0.7	+1.7	250,087	242,949	254,210	225,220	+11.0	2,898,545	2,812,24
Market categories :													
Machinery and equipment	42,660	36,791	39,312	+16.0	-6.4	+2.0	45,233	36,196	39,738	36,962	+22.4	464,223	447,85
Durable goods industries :													
Nondefense capital goods [3]	32,275	26,804	30,129	+20.4	-11.0	+1.1	36,800	26,121	29,152	30,161	+22.0	355,832	353,61

[1] Topical series are regroupings of the separate industry categories.

[2] Shipments and new orders are the totals for the period and are adjusted for trading-day and calendar-month variations.

[3] Nondefense capital goods industries include : ordnance and accessories; steam, gas and hydraulic turbines; internal combustion engines; construction, mining, and handling equipment; metalworking machinery; special industry machinery; general industrial machinery; computer and office equipment; refrigeration, heating and industry machinery; electrical transmission and distribution equipment; electrical industrial apparatus; communications equipment; aircraft, missiles, space vehicles, and and parts; ships and tank components; railroad equipment; and search and navigation equipment.

Table G. REVISED VALUE OF MANUFACTURERS' UNFILLED ORDERS FOR TOPICAL SERIES[1]
(Millions of dollars)

Industry	Seasonally adjusted						Not seasonally adjusted				
	Monthly			Percent Change			Monthly				Percent change
	Mar. 1993	Feb. 1993	Jan. 1993	Feb.-Mar.	Jan.-Feb.	Dec.-Jan.	Mar. 1993	Feb. 1993	Jan. 1993	Mar. 1992	Mar. 93/92
UNFILLED ORDERS											
ll manufacturing industries	470,563	476,535	476,085	-1.3	+0.1	+0.2	473,341	478,551	476,613	505,663	-6.4
rket categories : Machinery and equipment	191,992	196,200	195,330	-2.1	+0.4	-1.4	192,170	196,651	195,510	213,214	-9.9
rable goods industries : Nondefense capital goods [3]	210,732	215,122	214,411	-2.0	+0.3	-1.5	210,843	215,825	214,904	234,775	-10.2

Table H. REVISED VALUE OF MANUFACTURERS' UNFILLED ORDERS FOR TOPICAL SERIES[1]
(Millions of dollars)

Industry	Seasonally adjusted						Not seasonally adjusted				
	Monthly			Percent Change			Monthly				Percent change
	Dec. 1992	Nov. 1992	Oct. 1992	Nov.-Dec.	Oct.-Nov.	Sep.-Oct.	Dec. 1992	Nov. 1992	Oct. 1992	Dec. 1991	Dec. 92/91
UNFILLED ORDERS											
ll manufacturing industries	475,304	475,186	480,605	+0.0	-1.1	-0.1	472,186	471,455	477,677	507,767	-7.0
rket categories : Machinery and equipment	198,157	199,063	203,637	-0.5	-2.2	-0.5	197,505	198,744	203,357	214,388	-7.9
rable goods industries : Nondefense capital goods [3]	217,583	218,604	223,705	-0.5	-2.3	-0.4	217,184	218,569	223,536	235,732	-7.9

[1]Topical series are regroupings of the separate industry categories.

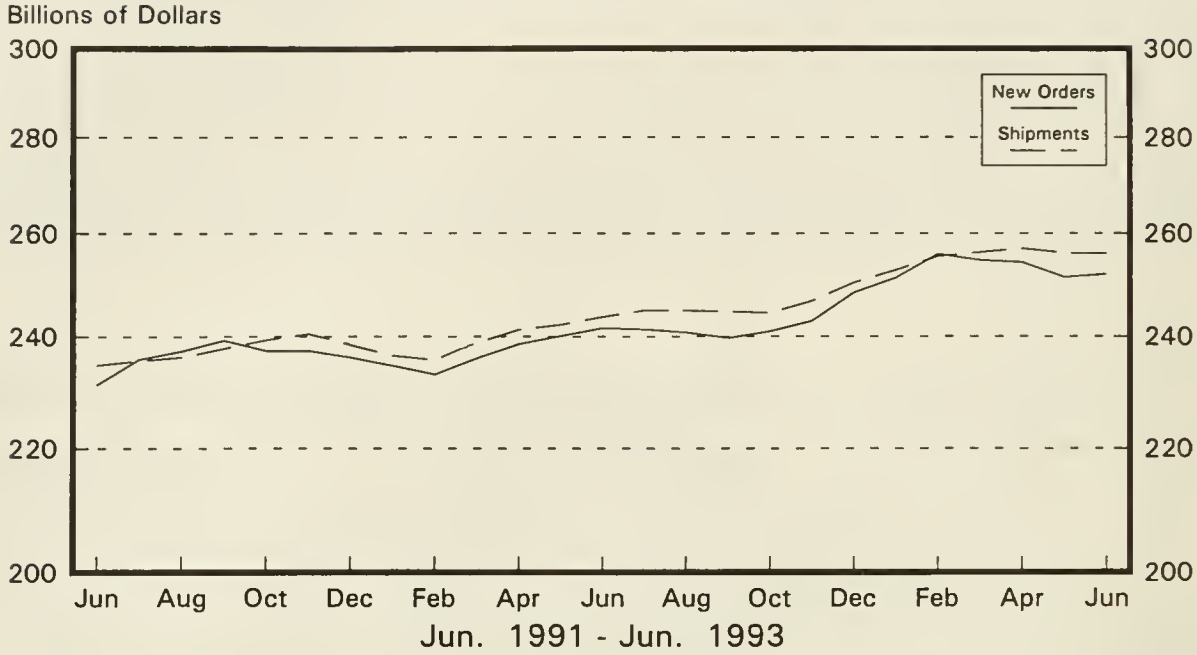
Table I. REVISED RATIOS OF MANUFACTURERS' UNFILLED ORDERS TO SHIPMENTS, BY INDUSTRY GROUP
(Based on seasonally adjusted data)

Industry	Unfilled Orders / Shipments ratio[1]					
	Mar. 1993	Feb. 1993	Jan. 1993	Dec. 1992	Nov. 1992	Oct. 1992
All manufacturing industries	3.42	3.51	3.56	3.46	3.57	3.65
Durable goods industries	4.14	4.27	4.35	4.21	4.35	4.47
Transportation equipment	12.33	12.85	13.08	12.46	12.89	13.65

[1] Excludes the following industries with no unfilled orders : Wood and lumber products; glass containers; metal cans, barrels and drums; farm and garden machinery; motor vehicle assembly operations; other transportation equipment; foods and related products; tobacco; knitting mill products; apparel and related products; chemicals; petroleum and coal products; and rubber and plastics products.

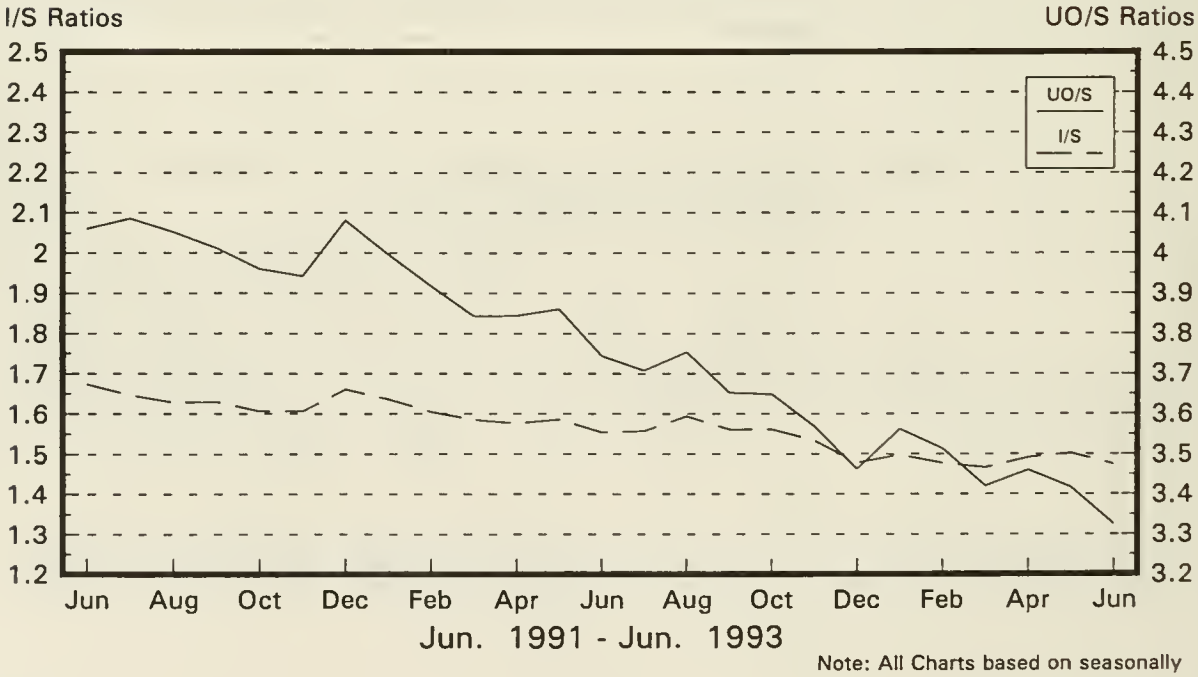
Total Manufacturing

New Orders and Shipments
Three Month Moving Averages



Total Manufacturing

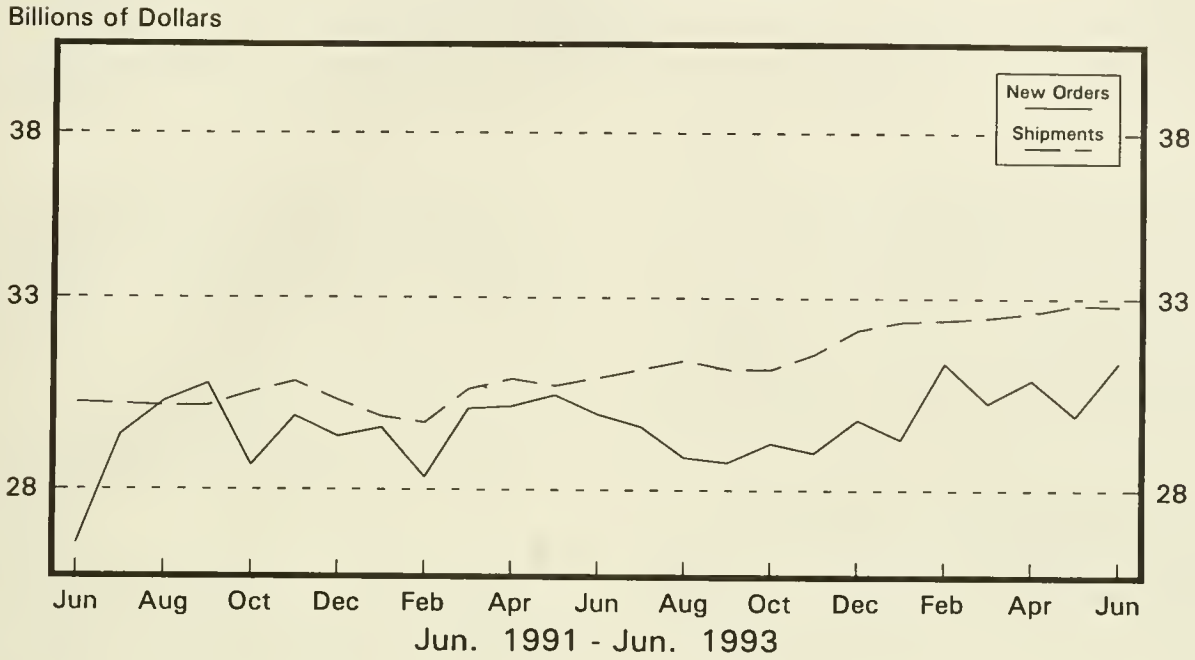
Ratio of Unfilled Orders and
Inventories to Shipments



Note: All Charts based on seasonally adjusted current dollars.

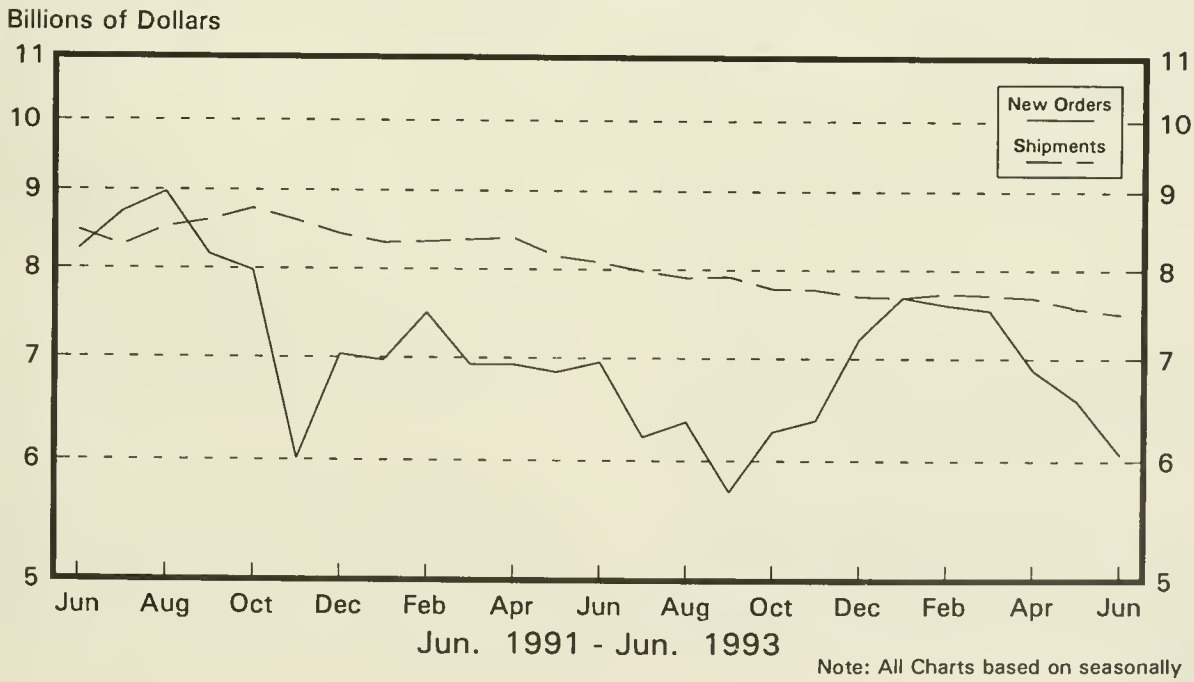
Nondefense Capital Goods

New Orders and Shipments
Three Month Moving Averages



Defense Capital Goods

New Orders and Shipments
Three Month Moving Averages



Note: All Charts based on seasonally adjusted current dollars.

U.S. Department of Commerce
BUREAU OF THE CENSUS
Washington, D.C. 20233

Official Business

Penalty for Private Use, $300

U.S.MAIL

POSTAGE AND FEES P
U S DEPARTMENT OF COMMER

COM-2

First Class Mail

. 158/2: M 3-1-(93)-7

ent Industrial Reports, Manufac...

NOV 26 1993

Manufacturers' Shipments, Inventories, and Orders

. S. Department of Commerce
conomics and Statistics Administration
UREAU OF THE CENSUS

July 1993
M3-1-(93)-7
For Wire Transmissions 10:00 a.m. E.D.T. September 2, 1993

Steve Andrews or Kathy Menth
301)763-2502 or (301)763-2575

Note: All figures in text are in seasonally adjusted current dollars

Summary

New orders for manufactured goods in July decreased $5.3 billion or 2.1 percent to $250.2 billion, the Department of Commerce, Bureau of the Census reported today. This follows a 2.9 percent increase in June and is the fourth decline in the last five months. Year-to-date new orders for 1993 totaled $1,770.2 billion, 5.8 percent above the same period a year ago.

Shipments decreased $6.8 billion or 2.6 percent to $251.5 billion, the largest decline since December 1991. This follows a 1.7 percent increase in June and is the third decline in the last four months. Year-to-date shipments for 1993 totaled $1,787.6 billion, 5.6 percent above the same period a year ago.

Unfilled orders decreased $1.4 billion or 0.3 percent to $457.9 billion, the lowest level since September 1988. This is the fifth consecutive monthly decline and the twentieth in the last twenty-three months. The unfilled orders-to-shipments ratio increased from 3.33 in June to 3.41 in July.

Inventories increased $0.1 billion to $381.4 billion, the fifth increase in the last six months. The inventories-to-shipments ratio increased from 1.48 in June to 1.52 in July.

New Orders

New orders for manufactured durable goods in July decreased a revised $4.1 billion or 3.1 percent to $128.1 billion. This follows a 4.3 percent increase in June and is the fourth decline in the last five months.

Transportation equipment had the largest decrease, down $5.8 billion or 16.7 percent to $29.1 billion, as declines in aircraft and parts, motor vehicles and parts, and railroad equipment more than offset an increase in shipbuilding and tanks. This follows a 14.5 percent increase in June and is the largest decrease since November 1990. Excluding transportation equipment, new orders increased $1.7 billion or 1.8 percent. Industrial machinery and equipment had the largest increase, up $1.0 billion or 4.2 percent to $23.9 billion, with nearly half the increase in computer and office equipment. Instruments and related products increased $0.6 billion or 6.4 percent to $10.4 billion, primarily due to search and navigation equipment.

New orders for nondurable goods decreased $1.2 billion or 1.0 percent to $122.0 billion, following a 1.4 percent increase in June. This is the third decline in the last four months. The largest decreases were in chemicals and allied products and rubber and plastics products. Tobacco products had the largest increase.

Shipments

Shipments of durable goods in July decreased $5.9 billion or 4.4 percent to $129.2 billion, the largest decline since December 1991. This follows a 2.1 percent increase in June, and is the third decline in the last four months. Transportation equipment had the largest decrease, down $4.5 billion or 12.8 percent to $30.9 billion, primarily due to motor vehicles and parts and aircraft and parts. Primary metals and fabricated metal products each decreased $0.5 billion. Industrial machinery and equipment had the largest increase, up $0.4 billion or 1.7 percent to $23.6 billion, due to computer and office equipment.

Shipments of nondurable goods decreased $0.9 billion or 0.7 percent to $122.4 billion, following a 1.3 percent increase in June. This is the third decline in the last four months. The largest decrease was in chemicals and allied products, down $0.6 billion or 2.3 percent to $26.1 billion. The largest increase was in tobacco products, up $0.5 billion or 16.7 percent to $3.2 billion.

Unfilled Orders

Unfilled orders for durable goods in July decreased $1.0 billion or 0.2 percent to $435.3 billion, the lowest level since August 1988. This is the fifth consecutive monthly decline. All major groups declined except electronic and other electrical equipment, industrial machinery and equipment, and stone, clay, and glass products. Transportation equipment had the largest decrease, down $1.8 billion or 0.8 percent to $228.7 billion, as a decrease in aircraft and parts more than offset an increase in shipbuilding and tanks. Excluding transportation equipment, unfilled orders were up $0.8 billion or 0.4 percent. Electronic and other electrical equipment had the largest increase, up $1.1 billion or 2.6 percent to $43.6 billion. Unfilled orders for nondurable goods decreased $0.3 billion or 1.5 percent to $22.6 billion.

Inventories

Inventories for durable goods in July increased $0.3 billion or 0.1 percent to $237.8 billion, the third increase in the last four months. Electronic and other electrical equipment had the largest increase, up $0.4 billion or 1.2 percent to $33.0 billion, primarily due to communications equipment. Nondurable goods inventories declined $0.2 billion or 0.2 percent to $143.6 billion.

By stage of fabrication, finished goods increased 0.5 percent in durables and 0.2 percent in nondurables. Work in process was down 0.4 percent in durables and unchanged in nondurables. Materials and supplies increased 0.6 percent in durables and declined 0.6 percent in nondurables.

The advance report on durable goods for August is scheduled for September 24, 1993 at 8:30 a.m. and the full report on October 1, 1993 at 10:00 a.m. For sale by the Superintendent of Documents, U.S. Government Printing Office, Washington, DC 20402. This report is also available the day of issue through the Department of Commerce's online Economic Bulletin Board (N-8-1) (202-482-3870) and through the Census Bureau's online information service-CENDATA. CENDATA is available from Dialog Information Services, Inc. (1-800-334-2564) and CompuServe (1-800-848-8199). The CENDATA staff at the Bureau of the Census (301-763-2074) can provide content information and general guidance.

Table 1. VALUE OF MANUFACTURERS' SHIPMENTS FOR INDUSTRY GROUPS
(Millions of dollars)

Industry	Seasonally adjusted						Not seasonally adjusted[1]						
	Monthly			Percent Change			Monthly				Percent change	Year to date	
	July 1993[p]	June 1993[r]	May 1993	June-July	May-June	Apr.-May	July 1993[p]	June 1993[r]	May 1993	July 1992	July 93/92	1993[p]	199
All manufacturing industries	251,513	258,299	254,007	-2.6	+1.7	-0.4	230,479	278,186	256,332	226,503	+1.8	1,767,389	1,673,60
Manufacturing Industries													
with unfilled orders	134,321	137,744	135,264	-2.5	+1.8	0.0	120,956	149,257	134,261	119,562	+1.2	933,677	896,18
without defense capital goods	243,875	250,705	246,619	-2.7	+1.7	-0.4	223,760	270,117	249,143	219,469	+2.0	1,717,008	1,619,38
Durable goods industries	129,162	135,042	132,307	-4.4	+2.1	-0.3	112,744	148,762	134,897	109,979	+2.5	920,884	856,67
With unfilled orders	104,574	108,429	105,706	-3.6	+2.6	-0.1	92,718	119,458	105,404	91,489	+1.3	731,482	697,25
Stone, clay, and glass products	5,718	5,766	5,726	-0.8	+0.7	-1.6	5,674	6,378	5,837	5,662	+0.2	39,093	37,25
Primary metals	11,147	11,628	11,181	-4.1	+4.0	-1.9	10,275	12,286	11,409	10,688	-3.9	80,243	79,90
Blast furnaces, steel mills	5,215	5,245	5,158	-0.6	+1.7	-0.4	4,824	5,553	5,287	4,444	+8.6	36,585	34,23
Iron and steel foundries	899	1,007	961	-10.7	+4.8	-7.4	740	1,122	1,043	837	-11.6	7,125	7,06
Nonferrous and other primary metals	5,033	5,376	5,062	-6.4	+6.2	-2.2	4,711	5,611	5,079	5,407	-12.9	36,533	38,60
Fabricated metal products	13,778	14,249	14,102	-3.3	+1.0	+1.3	12,539	15,409	14,445	12,195	+2.8	97,202	91,72
Industrial machinery and equipment	23,589	23,190	23,275	+1.7	-0.4	+1.6	20,425	26,974	23,026	18,339	+11.4	161,381	144,34
Engines and turbines	1,513	1,610	1,496	-6.0	+7.6	+2.6	1,126	1,898	1,478	1,025	+9.9	10,169	9,11
Farm and garden machinery	1,510	1,488	1,555	+1.5	-4.3	-2.8	1,140	1,526	1,795	911	+25.1	11,320	9,67
Construction, mining and material handling equipment	2,358	2,423	2,489	-2.7	-2.7	+2.4	2,186	2,672	2,568	1,985	+10.1	17,345	14,37
Metalworking machinery	2,530	2,462	2,633	+2.8	-6.5	+0.4	2,123	2,724	2,579	1,993	+6.5	17,320	15,77
Computer and office equipment	6,552	6,018	5,968	+8.9	+0.8	+0.1	5,130	8,037	5,201	4,290	+19.6	40,623	35,61
Electronic and other electrical equipment	19,073	19,517	18,832	-2.3	+3.6	+1.3	17,115	20,958	18,435	15,936	+7.4	127,668	116,2
Electrical transmission and distribution equipment and industrial apparatus	2,364	2,361	2,361	+0.1	0.0	-2.1	2,110	2,575	2,371	2,128	-0.8	16,484	15,9
Household appliances	1,717	1,656	1,596	+3.7	+3.8	+1.9	1,671	1,861	1,637	1,458	+14.6	11,368	10,3
Electric lighting and wiring equipment	1,654	1,696	1,689	-2.5	+0.4	+1.9	1,401	1,825	1,674	1,307	+7.2	11,433	10,4
Household audio and video equipment	954	905	894	+5.4	+1.2	-1.4	806	858	722	826	-2.4	5,577	5,6
Communications equipment	3,869	3,965	3,779	-2.4	+4.9	+2.5	3,381	4,404	3,654	3,312	+2.1	25,132	22,7
Electronic components	6,613	7,041	6,569	-6.1	+7.2	+2.1	6,150	7,346	6,546	5,390	+14.1	45,127	39,2
Transportation equipment	30,896	35,443	34,261	-12.8	+3.4	-2.6	23,604	39,396	36,797	24,841	-5.0	242,211	222,5
Motor vehicles and parts	20,072	22,894	22,325	-12.3	+2.5	-3.5	13,984	25,490	25,065	13,500	+3.6	160,343	133,2
Aircraft, missiles, space vehicles, and parts.	8,487	10,150	9,617	-16.4	+5.5	-0.7	7,424	11,502	9,335	9,162	-19.0	65,167	73,5
Shipbuilding and tanks	1,067	944	946	+13.0	-0.2	-3.2	1,015	947	931	971	+4.5	6,675	6,8
Instruments and related products	10,597	10,837	10,565	-2.2	+2.6	+0.5	9,574	11,826	10,480	9,528	+0.5	72,738	72,7
Search and navigation equipment	2,766	2,811	2,764	-1.6	+1.7	+3.3	2,344	3,058	2,691	2,354	-0.4	18,379	18,9
Measuring and controlling devices	2,818	2,847	2,912	-1.0	-2.2	+1.7	2,556	3,041	2,904	2,547	+0.4	19,778	19,3
Medical instruments and supplies	2,845	3,002	2,755	-5.2	+9.0	-3.2	2,671	3,234	2,716	2,706	-1.3	20,034	20,1
Photographic goods	1,830	1,847	1,802	-0.9	+2.5	+0.3	1,667	2,137	1,828	1,607	+3.7	12,218	12,0
All other durable goods	14,364	14,412	14,365	-0.3	+0.3	-0.5	13,538	15,535	14,468	12,790	+5.8	100,348	91,9
Nondurable goods industries	122,351	123,257	121,700	-0.7	+1.3	-0.5	117,735	129,424	121,435	116,524	+1.0	846,505	816,9
With unfilled orders	29,747	29,315	29,558	+1.5	-0.8	+0.6	28,238	29,799	28,857	28,073	+0.6	202,195	198,9
Food and kindred products	34,318	34,342	33,440	-0.1	+2.7	-2.1	33,038	35,711	34,023	31,469	+5.0	234,728	225,6
Meat products	7,955	7,989	7,919	-0.4	+0.9	+0.9	7,812	8,333	8,258	7,261	+7.6	54,749	51,0
Dairy products	4,533	4,575	4,472	-0.9	+2.3	-1.1	4,551	4,838	4,576	4,398	+3.5	31,137	30,2
Beverages	4,883	4,914	4,864	-0.6	+1.0	+2.8	5,181	5,659	5,342	5,017	+3.3	34,127	33,6
All other foods, except fats and oils	15,294	15,119	14,518	+1.2	+4.1	-5.6	13,841	15,136	14,180	13,236	+4.6	102,848	99,5
Tobacco products	3,240	2,777	2,584	+16.7	+7.5	-3.2	2,595	3,437	2,842	2,329	+11.4	18,534	17,8
Textile mill products	5,884	5,844	5,866	+0.7	-0.4	+1.1	5,187	6,448	5,812	5,176	+0.2	39,949	39,6
Broadwoven fabrics and other textiles	3,632	3,564	3,627	+1.9	-1.7	-0.7	3,134	3,838	3,689	3,142	-0.3	24,997	25,0
Paper and allied products	10,812	10,757	10,903	+0.5	-1.3	+1.5	10,669	11,216	10,728	10,914	-2.2	75,497	76,3
Pulp, paper, and paperboard mill products	4,371	4,371	4,400	0.0	-0.7	+0.3	4,345	4,542	4,355	4,468	-2.8	30,586	31,2
Paperboard containers and boxes	2,676	2,642	2,672	+1.3	-1.1	-0.4	2,593	2,725	2,677	2,666	-2.7	18,550	18,8
Miscellaneous converted paper products	3,765	3,744	3,831	+0.6	-2.3	+4.4	3,731	3,949	3,696	3,780	-1.3	26,361	26,1
Chemicals and allied products	26,069	26,691	25,683	-2.3	+3.9	-1.1	24,844	28,460	25,920	24,455	+1.6	184,388	176,4
Industrial chemicals	13,399	13,651	13,346	-1.8	+2.3	-0.7	13,051	14,314	13,476	13,073	-0.2	95,161	91,2
Drugs, soaps, and toiletries	9,726	9,863	9,301	-1.4	+6.0	-2.8	9,094	10,444	8,623	8,733	+4.1	66,251	62,4
Petroleum and coal products	12,390	12,707	13,021	-2.5	-2.4	-0.4	12,645	13,306	13,139	13,949	-9.3	87,550	87,3
Rubber and plastics products	8,211	8,626	8,608	-4.8	+0.2	+1.0	7,883	9,387	8,765	8,369	-5.8	60,684	61,0
All other nondurable goods	21,427	21,513	21,595	-0.4	-0.4	+0.8	20,874	21,459	20,206	19,863	+5.1	145,175	132,6

[p] Preliminary. [r] Revised.

[1] Shipments and new orders are the totals for the period and are adjusted for trading-day and calendar-month variations.

Table 2. VALUE OF MANUFACTURERS' NEW ORDERS FOR INDUSTRY GROUPS
(Millions of dollars)

Industry	Seasonally adjusted						Not seasonally adjusted[1]						
	Monthly			Percent Change			Monthly				Percent change	Year to date	
	July 1993[p]	June 1993[r]	May 1993	June-July	May-June	Apr.-May	July 1993[p]	June 1993[r]	May 1993	July 1992	July 93/92	1993[p]	1992
ll manufacturing industries	250,153	255,462	248,335	-2.1	+2.9	-1.6	230,181	272,580	250,090	222,066	+3.7	1,754,249	1,658,118
ufacturing industries													
th unfilled orders	132,961	134,907	129,592	-1.4	+4.1	-2.2	120,658	143,651	128,019	115,125	+4.8	920,537	880,697
thout defense capital goods	243,097	249,674	242,901	-2.6	+2.8	-1.1	224,310	267,140	245,793	217,677	+3.0	1,711,312	1,615,791
able goods industries	128,137	132,252	126,783	-3.1	+4.3	-2.4	112,501	143,151	128,752	105,131	+7.0	906,637	840,141
ith unfilled orders	103,549	105,639	100,182	-2.0	+5.4	-2.7	92,475	113,847	99,259	86,641	+6.7	717,235	680,727
ne, clay, and glass products	5,724	5,449	5,894	+5.0	-7.6	0.0	5,910	6,063	6,214	5,941	-0.5	40,247	38,262
nary metals	11,023	11,095	10,962	-0.6	+1.2	-2.2	10,364	11,517	10,946	10,861	-4.6	82,608	79,973
last furnaces, steel mills	5,012	5,097	5,140	-1.7	-0.8	+1.2	4,834	5,336	5,041	4,606	+5.0	38,750	33,903
on and steel foundries	1,104	927	970	+19.1	-4.4	-7.5	968	990	1,063	783	+23.6	7,292	6,969
onferrous and other primary metals	4,907	5,071	4,852	-3.2	+4.5	-4.6	4,562	5,191	4,842	5,472	-16.6	36,566	39,101
ricated metal products	13,572	13,774	13,913	-1.5	-1.0	+1.9	12,396	14,749	14,111	11,347	+9.2	95,789	90,190
strial machinery and equipment	23,889	22,932	23,200	+4.2	-1.2	+0.9	20,646	26,248	23,211	17,939	+15.1	161,581	142,775
ngines and turbines	1,621	1,713	1,393	-5.4	+23.0	+3.6	1,385	2,046	1,309	1,167	+18.7	9,974	9,112
onstruction, mining and material handling equipment	2,349	2,280	2,585	+3.0	-11.8	+7.7	2,174	2,389	2,647	1,937	+12.2	17,284	14,220
etalworking machinery	2,546	2,652	2,409	-4.0	+10.1	-3.9	2,139	2,914	2,355	2,049	+4.4	16,861	15,876
omputer and office equipment	6,405	5,927	6,258	+8.1	-5.3	+6.1	4,885	7,853	5,882	4,017	+21.6	40,879	34,545
tronic and other ctrical equipment	20,174	19,865	18,197	+1.6	+9.2	-3.5	18,424	20,514	17,817	16,028	+14.9	129,342	116,807
lectrical transmission and listribution equipment and ndustrial apparatus	2,335	2,316	2,315	+0.8	0.0	-6.6	2,112	2,491	2,312	2,009	+5.1	16,672	15,694
lectric lighting and wiring equipment	1,712	1,675	1,748	+2.2	-4.2	+2.5	1,459	1,804	1,733	1,267	+15.2	11,633	10,260
ommunications equipment	3,846	4,405	3,825	-12.7	+15.2	-0.2	3,386	4,873	3,658	3,434	-1.4	25,084	22,872
lectronic components	7,522	6,888	5,891	+9.2	+16.9	-8.5	7,016	6,611	5,939	5,444	+28.9	45,759	39,950
nsportation equipment	29,083	34,903	30,482	-16.7	+14.5	-4.1	21,416	38,284	32,169	20,512	+4.4	224,366	209,183
Aircraft, missiles, space vehicles, and parts	6,015	9,599	6,294	-37.3	+52.5	-8.1	4,449	10,543	5,130	5,492	-19.0	47,071	61,447
hipbuilding and tanks	1,608	637	246	+152.4	+158.9	-44.3	1,554	651	308	277	+461.0	6,068	4,491
uments and related products	10,375	9,747	9,838	+6.4	-0.9	-10.9	9,555	10,326	9,751	9,329	+2.4	70,747	68,992
earch and navigation equipment	2,402	2,024	2,114	+18.7	-4.3	-36.7	2,189	1,827	2,027	2,151	+1.8	16,721	16,139
leasuring and controlling devices	2,821	2,822	2,731	0.0	+3.3	-7.5	2,559	3,016	2,723	2,571	-0.5	19,730	19,050
ledical instruments and supplies	2,901	2,744	2,882	+5.7	-4.8	+6.3	2,727	2,976	2,843	2,752	-0.9	19,699	19,588
other durable goods	14,297	14,487	14,297	-1.3	+1.3	-0.6	13,790	15,450	14,533	13,174	+4.7	101,957	93,959
durable goods industries	122,016	123,210	121,552	-1.0	+1.4	-0.8	117,680	129,429	121,338	116,935	+0.6	847,612	817,977
ith unfilled orders	29,412	29,268	29,410	+0.5	-0.5	-0.5	28,183	29,804	28,760	28,484	-1.1	203,302	199,970

Preliminary. [r] Revised.

Shipments and new orders are the totals for the period and are adjusted for trading-day and calendar-month variations.

n) When new orders for a prior month are negative because of cancellations, the percentage change calculation is algebraically negative, even though there is a net dollar ease from the prior month to the current month.

Table 3. VALUE OF MANUFACTURERS' UNFILLED ORDERS FOR INDUSTRY GROUPS
(Millions of dollars)

Industry	Seasonally adjusted						Not seasonally adjusted				
	Monthly			Percent Change			Monthly				Percent change
	July 1993[p]	June 1993[r]	May 1993	June-July	May-June	Apr.-May	July 1993[p]	June 1993[r]	May 1993	July 1992	July 93/92
All manufacturing industries	457,949	459,309	462,146	-0.3	-0.6	-1.2	459,046	459,344	464,950	492,276	-6.8
Manufacturing industries without defense capital goods	334,736	335,514	336,545	-0.2	-0.3	-1.1	336,710	336,160	339,137	358,724	-6.1
Durable goods industries	435,346	436,371	439,161	-0.2	-0.6	-1.2	435,878	436,121	441,732	468,858	-7.0
Stone, clay, and glass products	7,203	7,197	7,514	+0.1	-4.2	+2.3	7,546	7,310	7,625	7,552	-0.1
Primary metals	22,502	22,626	23,159	-0.5	-2.3	-0.9	23,041	22,952	23,721	21,881	+5.3
Blast furnaces, steel mills	10,309	10,512	10,660	-1.9	-1.4	-0.2	10,587	10,577	10,794	8,440	+25.4
Iron and steel foundries	2,994	2,789	2,869	+7.4	-2.8	+0.3	2,997	2,769	2,901	2,865	+4.6
Nonferrous and other primary metals	9,199	9,325	9,630	-1.4	-3.2	-2.1	9,457	9,606	10,026	10,576	-10.6
Fabricated metal products	21,432	21,638	22,113	-1.0	-2.1	-0.8	21,348	21,491	22,151	22,395	-4.7
Industrial machinery and equipment	50,662	50,362	50,620	+0.6	-0.5	-0.1	50,319	50,098	50,824	51,189	-1.7
Engines and turbines	10,005	9,897	9,794	+1.1	+1.1	-1.0	9,861	9,602	9,454	9,428	+4.6
Construction, mining and material handling equipment	5,617	5,626	5,769	-0.2	-2.5	+1.7	5,538	5,550	5,833	5,551	-0.2
Metalworking machinery	6,874	6,858	6,668	+0.2	+2.8	-3.3	6,874	6,858	6,668	8,577	-19.9
Computer and office equipment	7,333	7,480	7,571	-2.0	-1.2	+4.0	7,377	7,622	7,806	7,526	-2.0
Electronic and other electrical equipment	43,610	42,509	42,161	+2.6	+0.8	-1.5	43,761	42,452	42,896	42,143	+3.8
Electrical transmission and distribution equipment and industrial apparatus	5,742	5,771	5,816	-0.5	-0.8	-0.8	5,740	5,738	5,822	5,962	-3.7
Electric lighting and wiring equipment	3,180	3,122	3,143	+1.9	-0.7	+1.9	3,180	3,122	3,143	2,951	+7.8
Communications equipment	13,367	13,390	12,950	-0.2	+3.4	+0.4	13,374	13,369	12,900	13,316	+0.4
Electronic components	16,233	15,324	15,477	+5.9	-1.0	-4.2	16,314	15,448	16,183	15,196	+7.4
Transportation equipment	228,651	230,464	231,004	-0.8	-0.2	-1.6	228,001	230,189	231,301	260,562	-12.5
Aircraft, missiles, space vehicles, and parts	199,810	202,282	202,833	-1.2	-0.3	-1.6	199,080	202,055	203,014	229,238	-13.2
Shipbuilding and tanks	20,537	19,996	20,303	+2.7	-1.5	-3.3	20,607	20,068	20,364	23,335	-11.7
Instruments and related products	53,715	53,937	55,027	-0.4	-2.0	-1.3	53,596	53,615	55,115	54,595	-1.8
Search and navigation equipment	35,651	36,015	36,802	-1.0	-2.1	-1.7	35,497	35,652	36,883	37,092	-4.3
Measuring and controlling devices	9,140	9,137	9,162	0.0	-0.3	-1.9	9,140	9,137	9,162	8,898	+2.7
Medical instruments and supplies	8,088	8,032	8,290	+0.7	-3.1	+1.6	8,088	8,032	8,290	7,679	+5.3
All other durable goods	7,571	7,638	7,563	-0.9	+1.0	-0.9	8,266	8,014	8,099	8,541	-3.2
Nondurable goods industries	22,603	22,938	22,985	-1.5	-0.2	-0.6	23,168	23,223	23,218	23,418	-1.1

[p] Preliminary. [r] Revised.

Table 4. VALUE OF MANUFACTURERS' INVENTORIES FOR INDUSTRY GROUPS
(Millions of dollars)

Industry	Seasonally adjusted						Not seasonally adjusted				
	Monthly			Percent Change			Monthly				Percent change
	July 1993[p]	June 1993[r]	May 1993	June-July	May-June	Apr.-May	July 1993[p]	June 1993[r]	May 1993	July 1992	July 93/92
All manufacturing industries	381,390	381,326	381,591	0.0	-0.1	+0.3	381,244	379,758	383,932	383,515	-0.6
Manufacturing industries											
With unfilled orders	251,897	251,446	251,705	+0.2	-0.1	+0.4	253,406	251,621	254,302	259,261	-2.3
Without defense capital goods	353,327	352,881	352,921	+0.1	0.0	+0.3	352,789	350,982	354,937	350,221	+0.7
Durable goods industries	237,808	237,514	237,734	+0.1	-0.1	+0.3	238,163	236,961	239,823	243,457	-2.2
With unfilled orders	218,630	218,182	218,427	+0.2	-0.1	+0.4	219,567	218,042	220,543	225,417	-2.6
Stone, clay, and glass products	7,718	7,687	7,724	+0.4	-0.5	-0.4	7,749	7,717	7,878	7,878	-1.6
Primary metals	19,181	19,151	19,206	+0.2	-0.3	+0.4	19,222	19,059	19,250	19,860	-3.2
Blast furnaces, steel mills	9,495	9,431	9,444	+0.7	-0.1	+0.4	9,504	9,237	9,352	9,964	-4.6
Iron and steel foundries	1,376	1,374	1,389	+0.1	-1.1	+0.4	1,350	1,393	1,425	1,370	-1.5
Nonferrous and other primary metals	8,310	8,346	8,373	-0.4	-0.3	+0.5	8,368	8,429	8,473	8,526	-1.9
Fabricated metal products	23,098	23,026	23,128	+0.3	-0.4	0.0	23,180	23,267	23,418	23,970	-3.3
Industrial machinery and equipment	45,052	45,103	44,805	-0.1	+0.7	+0.1	45,028	44,624	45,262	46,064	-2.2
Engines and turbines	3,563	3,538	3,552	+0.7	-0.4	-0.3	3,621	3,524	3,615	3,480	+4.1
Farm and garden machinery	2,119	2,115	2,098	+0.2	+0.8	-4.4	1,990	2,033	2,072	2,199	-9.5
Construction, mining and material handling equipment	5,804	5,863	5,863	-1.0	0.0	-0.6	5,758	5,902	5,928	5,970	-3.6
Metalworking machinery	5,175	5,238	5,171	-1.2	+1.3	-0.2	5,222	5,183	5,199	5,542	-5.8
Computer and office equipment	10,354	10,345	10,130	+0.1	+2.1	+2.3	10,468	9,958	10,319	10,385	+0.8
Electronic and other electrical equipment	32,988	32,611	32,621	+1.2	0.0	+1.1	33,388	32,897	33,335	31,724	+5.2
Electrical transmission and distribution equipment and industrial apparatus	4,383	4,371	4,380	+0.3	-0.2	-0.3	4,416	4,390	4,459	4,588	-3.7
Household appliances	2,528	2,561	2,614	-1.3	-2.0	+0.6	2,520	2,680	2,831	2,523	-0.1
Electric lighting and wiring equipment	2,910	2,872	2,860	+1.3	+0.4	-0.1	2,977	2,953	2,937	3,013	-1.2
Household audio and video equipment	1,160	1,145	1,097	+1.3	+4.4	+4.4	1,217	1,191	1,105	1,210	+0.6
Communications equipment	8,562	8,307	8,292	+3.1	+0.2	+2.2	8,638	8,289	8,470	7,213	+19.8
Electronic components	10,035	9,954	10,007	+0.8	-0.5	+1.1	10,186	9,968	10,079	9,689	+5.1
Transportation equipment	65,204	65,267	65,642	-0.1	-0.6	+0.3	64,759	64,547	65,573	69,518	-6.8
Motor vehicles and parts	11,380	11,511	11,478	-1.1	+0.3	+0.6	10,935	10,954	11,089	11,445	-4.5
Aircraft, missiles, space vehicles, and parts	49,424	49,326	49,809	+0.2	-1.0	+0.3	49,394	49,154	50,138	53,667	-8.0
Shipbuilding and tanks	1,842	1,878	1,815	-1.9	+3.5	+0.4	1,910	1,919	1,822	2,049	-6.8
Instruments and related products	22,596	22,750	22,776	-0.7	-0.1	-0.5	22,799	22,882	23,071	23,871	-4.5
Search and navigation equipment	5,865	6,007	6,064	-2.4	-0.9	-1.4	5,984	6,043	6,126	7,444	-19.6
Measuring and controlling devices	6,606	6,616	6,607	-0.2	+0.1	-0.8	6,639	6,634	6,677	6,677	-0.6
Medical instruments and supplies	6,353	6,348	6,346	+0.1	0.0	+0.2	6,347	6,345	6,418	6,248	+1.6
Photographic goods	2,976	2,993	2,978	-0.6	+0.5	+0.1	3,021	3,048	3,044	2,764	+9.3
All other durable goods	21,971	21,919	21,832	+0.2	+0.4	+0.7	22,038	21,968	22,036	20,572	+7.1
Nondurable goods industries	143,582	143,812	143,857	-0.2	0.0	+0.4	143,081	142,797	144,109	140,058	+2.2
With unfilled orders	33,267	33,264	33,278	0.0	0.0	+0.4	33,839	33,579	33,759	33,844	0.0
Food and kindred products	30,200	30,277	30,177	-0.3	+0.3	+0.3	29,287	28,814	28,927	28,867	+1.5
Meat products	3,175	3,102	3,087	+2.4	+0.5	+0.9	3,178	3,095	3,130	2,795	+13.7
Dairy products	2,801	2,825	2,887	-0.8	-2.1	+4.5	2,919	2,927	2,959	2,894	+0.9
Beverages	5,320	5,329	5,344	-0.2	-0.3	+0.2	5,251	5,311	5,341	5,291	-0.8
All other foods, except fats and oils	17,335	17,530	17,425	-1.1	+0.6	-0.1	16,486	16,061	16,100	16,543	-0.3
Tobacco products	6,741	6,810	6,732	-1.0	+1.2	+2.7	6,357	6,418	6,528	6,222	+2.2
Textile mill products	9,205	9,239	9,308	-0.4	-0.7	+0.3	9,400	9,339	9,622	9,183	+2.4
Broadwoven fabrics and other textiles	5,216	5,287	5,377	-1.3	-1.7	+0.4	5,289	5,291	5,504	5,417	-2.4
Paper and allied products	13,553	13,504	13,513	+0.4	-0.1	+0.1	13,534	13,560	13,768	13,585	-0.4
Pulp, paper, and paperboard mill products	5,703	5,651	5,620	+0.9	+0.6	+0.2	5,680	5,661	5,735	5,657	+0.4
Paperboard containers and boxes	3,220	3,242	3,239	-0.7	+0.1	0.0	3,233	3,240	3,241	3,307	-2.2
Miscellaneous converted paper products	4,630	4,611	4,654	+0.4	-0.9	+0.2	4,621	4,659	4,792	4,621	0.0
Chemicals and allied products	34,768	34,913	35,053	-0.4	-0.4	+0.5	34,585	34,709	35,239	33,990	+1.8
Industrial chemicals	17,011	17,096	17,208	-0.5	-0.7	+0.1	16,994	17,041	17,218	17,247	-1.5
Drugs, soaps, and toiletries	13,429	13,465	13,462	-0.3	0.0	+1.4	13,510	13,597	13,736	12,779	+5.7
Petroleum and coal products	11,223	11,389	11,619	-1.5	-2.0	-2.1	11,228	11,448	11,748	12,123	-7.4
Rubber and plastics products	12,190	12,130	12,087	+0.5	+0.4	+1.2	12,068	12,044	12,197	11,223	+7.5
All other nondurable goods	25,702	25,550	25,368	+0.6	+0.7	+0.8	26,622	26,465	26,080	24,865	+7.1

[p] Preliminary. [r] Revised.

Table 5. VALUE OF MANUFACTURERS' SHIPMENTS AND NEW ORDERS FOR TOPICAL SERIES[1]
(Millions of dollars)

Industry	Seasonally adjusted						Not seasonally adjusted [2]						
	Monthly			Percent Change			Monthly				Percent change	Year to date	
	July 1993[p]	June 1993[r]	May 1993	June-July	May-June	Apr.-May	July 1993[p]	June 1993[r]	May 1993	July 1992	July 93/92	1993[p]	1992
SHIPMENTS													
All manufacturing industries	251,513	258,299	254,007	-2.6	+1.7	-0.4	230,479	278,186	256,332	226,503	+1.8	1,767,389	1,673,60
Market categories :													
Automotive equipment	10,370	11,653	11,470	-11.0	+1.6	-2.0	7,533	12,822	12,809	7,184	+4.9	81,698	68,03
Home goods and apparel	17,159	17,588	17,476	-2.4	+0.6	+1.8	16,309	18,437	16,209	15,210	+7.2	117,071	104,14
Consumer staples	57,637	57,318	55,941	+0.6	+2.5	-1.8	55,108	60,200	55,987	53,801	+2.4	391,116	377,33
Machinery and equipment	41,402	43,926	42,981	-5.7	+2.2	+0.6	35,477	49,839	43,429	34,358	+3.3	296,998	272,12
Business supplies	19,526	19,636	19,539	-0.6	+0.5	+0.2	18,456	20,229	19,496	18,601	-0.8	134,899	131,85
Construction materials and supplies	15,880	16,382	16,399	-3.1	-0.1	+0.8	15,473	18,131	16,906	15,025	+3.0	112,723	104,68
Defense products	7,861	7,870	7,551	-0.1	+4.2	-1.9	7,036	8,334	7,375	7,272	-3.2	52,192	55,27
Other materials, supplies and and intermediate products	81,678	83,926	82,650	-2.7	+1.5	-0.6	75,087	90,194	84,121	75,052	0.0	580,692	560,16
Durable goods industries :													
Nondefense capital goods [3]	31,823	33,390	32,703	-4.7	+2.1	+1.5	27,855	38,768	31,782	27,467	+1.4	223,718	211,46
Excluding aircraft and parts	27,552	27,312	27,083	+0.9	+0.8	+1.4	24,188	31,576	26,319	22,296	+8.5	185,966	168,08
Defense capital goods [4]	7,638	7,594	7,388	+0.6	+2.8	-1.6	6,719	8,069	7,189	7,034	-4.5	50,381	54,22
Durables excluding capital goods	89,701	94,058	92,216	-4.6	+2.0	-0.9	78,170	101,925	95,926	75,478	+3.6	646,785	590,98
Miscellaneous series :													
Producers' durable equipment	80,946	85,476	84,087	-5.3	+1.7	-0.2	67,814	95,388	86,279	65,599	+3.4	584,565	531,42
Household durable goods	7,383	7,404	7,211	-0.3	+2.7	+0.7	6,449	7,653	6,888	6,075	+6.2	49,064	45,74
Information technology industries	15,303	14,878	14,702	+2.9	+1.2	+1.2	12,937	17,852	13,826	11,934	+8.4	99,432	91,54
Health care equipment and products	8,116	8,352	7,804	-2.8	+7.0	-2.9	7,600	8,901	7,407	7,444	+2.1	55,985	54,00
NEW ORDERS													
All manufacturing industries	250,153	255,462	248,335	-2.1	+2.9	-1.6	230,181	272,580	250,090	222,066	+3.7	1,754,249	1,658,11
Market categories :													
Automotive equipment	10,419	11,677	11,529	-10.8	+1.3	-1.3	7,634	12,783	12,866	7,201	+6.0	81,871	68,05
Home goods and apparel	17,191	17,709	17,355	-2.9	+2.0	+1.4	16,660	18,571	16,188	15,554	+7.1	119,664	106,05
Consumer staples	57,619	57,294	56,014	+0.6	+2.3	-1.6	55,144	60,250	55,980	53,895	+2.3	391,135	377,36
Machinery and equipment	40,273	44,534	40,618	-9.6	+9.6	-0.4	34,277	49,946	41,347	32,247	+6.3	286,626	266,75
Business supplies	19,371	19,541	19,496	-0.9	+0.2	+0.4	18,354	20,155	19,479	18,684	-1.8	134,686	132,00
Construction materials and supplies	15,823	16,014	16,457	-1.2	-2.7	+1.3	15,516	17,703	17,032	14,707	+5.5	113,190	104,98
Defense products	7,274	6,127	5,647	+18.7	+8.5	-21.6	6,153	5,813	4,521	4,702	+30.9	44,747	43,75
Other materials, supplies and and intermediate products	82,183	82,566	81,219	-0.5	+1.7	-2.1	76,443	87,359	82,677	75,076	+1.8	582,330	559,14
Durable goods industries :													
Nondefense capital goods [3]	30,187	33,850	29,931	-10.8	+13.1	-1.7	26,164	38,698	29,221	25,010	+4.6	211,168	204,88
Excluding aircraft and parts	27,708	27,577	26,755	+0.5	+3.1	-2.5	24,289	31,311	26,202	21,747	+11.7	187,137	167,14
Defense capital goods [4]	7,056	5,788	5,434	+21.9	+6.5	-20.7	5,871	5,440	4,297	4,389	+33.8	42,937	42,32
Durables excluding capital goods	90,894	92,614	91,418	-1.9	+1.3	-1.2	80,466	99,013	95,234	75,732	+6.3	652,532	592,92
Miscellaneous series :													
Producers' durable equipment	80,651	86,373	81,719	-6.6	+5.7	-0.6	68,222	95,086	84,116	63,221	+7.9	578,089	525,99
Household durable goods	7,477	7,386	7,148	+1.2	+3.3	-0.9	6,798	7,510	6,733	6,295	+8.0	50,499	46,96
Information technology industries	15,135	14,984	14,813	+1.0	+1.2	-2.5	12,696	17,871	14,345	11,707	+8.4	100,026	90,00
Health care equipment and products	8,171	8,094	7,931	+1.0	+2.1	+0.4	7,656	8,643	7,534	7,491	+2.2	55,651	53,46

[p] Preliminary. [r] Revised.

[1] Topical series are regroupings of the separate industry categories.

[2] Shipments and new orders are the totals for the period and are adjusted for trading-day and calendar-month variations.

[3] Nondefense capital goods industries include : ordnance and accessories; steam, gas and hydraulic turbines; internal combustion engines; construction, mining, and m handling equipment; metalworking machinery; special industry machinery; general industrial machinery; computer and office equipment; refrigeration, heating and s industry machinery; electrical transmission and distribution equipment; electrical industrial apparatus; communications equipment; aircraft, missiles, space vehicles, and e and parts; ships and tank components; railroad equipment; and search and navigation equipment.

[4] Defense capital goods industries include : ordnance and accessories; communications equipment; aircraft, missiles, space vehicles, and engines and parts; ships, and tank components; and search and navigation equipment.

Table 6. VALUE OF MANUFACTURERS' UNFILLED ORDERS AND TOTAL INVENTORIES FOR TOPICAL SERIES[1]
(Millions of dollars)

Industry	Seasonally adjusted						Not seasonally adjusted				
	Monthly			Percent Change			Monthly				Percent change July 93/92
	July 1993[p]	June 1993[r]	May 1993	June-July	May-June	Apr.-May	July 1993[p]	June 1993[r]	May 1993	July 1992	
UNFILLED ORDERS											
All manufacturing industries	457,949	459,309	462,146	-0.3	-0.6	-1.2	459,046	459,344	464,950	492,276	-6.8
arket categories :											
Automotive equipment	1,744	1,695	1,672	+2.9	+1.4	+3.7	1,758	1,657	1,696	1,699	+3.5
Home goods and apparel	10,418	10,385	10,265	+0.3	+1.2	-1.2	11,184	10,833	10,698	10,146	+10.2
Consumer staples	1,438	1,456	1,479	-1.2	-1.6	+5.1	1,458	1,422	1,372	1,369	+6.5
Machinery and equipment	187,193	188,322	187,714	-0.6	+0.3	-1.2	187,133	188,333	188,226	209,015	-10.5
Business supplies	5,401	5,556	5,650	-2.8	-1.7	-0.8	5,476	5,577	5,651	5,982	-8.5
Construction materials and supplies	14,603	14,661	15,029	-0.4	-2.4	+0.4	14,794	14,751	15,179	14,572	+1.5
Defense products	116,903	117,489	119,233	-0.5	-1.5	-1.6	115,890	116,774	119,295	125,976	-8.0
Other materials, supplies and and intermediate products	120,249	119,745	121,104	+0.4	-1.1	-1.2	121,353	119,997	122,833	123,517	-1.8
urable goods industries :											
Nondefense capital goods [3]	205,002	206,638	206,178	-0.8	+0.2	-1.3	204,634	206,325	206,395	229,157	-10.7
Excluding aircraft and parts	71,799	71,643	71,378	+0.2	+0.4	-0.5	71,431	71,330	71,595	71,965	-0.7
Defense capital goods [4]	123,213	123,795	125,601	-0.5	-1.4	-1.5	122,336	123,184	125,813	133,552	-8.4
Durables excluding capital goods	107,131	105,938	107,382	+1.1	-1.3	-0.7	108,908	106,612	109,524	106,149	+2.6
iscellaneous series :											
Producers' durable equipment	211,493	211,788	210,891	-0.1	+0.4	-1.1	211,898	211,490	211,792	231,197	-8.3
Household durable goods	5,405	5,311	5,329	+1.8	-0.3	-1.2	5,861	5,512	5,655	5,627	+4.2
Information technology industries	31,629	31,797	31,691	-0.5	+0.3	+0.4	31,710	31,951	31,932	31,231	+1.5
Health care equipment and products	8,117	8,061	8,319	+0.7	-3.1	+1.6	8,118	8,062	8,319	7,710	+5.3
TOTAL INVENTORIES											
All manufacturing industries	381,390	381,326	381,591	0.0	-0.1	+0.3	381,244	379,758	383,932	383,515	-0.6
arket categories :											
Automotive equipment	6,115	6,206	6,204	-1.5	0.0	0.0	5,886	5,999	6,121	5,944	-1.0
Home goods and apparel	30,390	30,176	29,985	+0.7	+0.6	+1.0	31,241	31,298	31,232	28,787	+8.5
Consumer staples	59,221	59,557	59,598	-0.6	-0.1	+0.7	58,199	58,103	58,659	57,459	+1.3
Machinery and equipment	88,693	88,398	88,354	+0.3	0.0	+0.3	88,387	87,654	89,281	88,319	+0.1
Business supplies	21,465	21,520	21,682	-0.3	-0.7	+0.4	21,611	21,507	21,756	22,045	-2.0
Construction materials and supplies	23,474	23,415	23,300	+0.3	+0.5	-0.2	23,634	23,630	23,648	22,962	+2.9
Defense products	26,545	26,886	27,186	-1.3	-1.1	+0.9	26,893	27,119	27,498	30,879	-12.9
Other materials, supplies and and intermediate products	125,487	125,168	125,282	+0.3	-0.1	+0.1	125,393	124,448	125,737	127,120	-1.4
urable goods industries :											
Nondefense capital goods [3]	83,782	83,217	83,152	+0.7	+0.1	+0.3	83,799	82,469	84,065	84,167	-0.4
Excluding aircraft and parts	55,425	55,284	54,892	+0.3	+0.7	+0.6	55,770	55,049	55,773	55,615	+0.3
Defense capital goods [4]	28,063	28,445	28,670	-1.3	-0.8	+0.6	28,455	28,776	28,995	33,294	-14.5
Durables excluding capital goods	125,963	125,852	125,912	+0.1	0.0	+0.2	125,909	125,716	126,763	125,996	-0.1
iscellaneous series :											
Producers' durable equipment	142,236	142,308	142,303	-0.1	0.0	+0.4	141,916	141,590	143,661	142,952	-0.7
Household durable goods	13,456	13,384	13,358	+0.5	+0.2	+1.7	13,725	13,697	13,767	13,202	+4.0
Information technology industries	29,471	29,340	29,055	+0.4	+1.0	+1.2	29,771	29,017	29,581	28,548	+4.3
Health care equipment and products	13,643	13,657	13,655	-0.1	0.0	+0.8	13,680	13,723	13,873	13,187	+3.7

See footnotes at end of table 5.

Table 7. VALUE OF MANUFACTURERS' INVENTORIES, BY STAGE OF FABRICATION, BY INDUSTRY GROUP
(Millions of dollars)

Industry	Seasonally adjusted						Not seasonally adjusted				
	Monthly			Percent Change			Monthly				Percent change
	July 1993[p]	June 1993[r]	May 1993	June-July	May-June	Apr.-May	July 1993[p]	June 1993[r]	May 1993	July 1992	July 93/92
MATERIALS AND SUPPLIES											
All manufacturing industries	121,321	121,218	121,366	+0.1	-0.1	+0.5	121,013	120,138	120,645	121,161	-0.1
Durable goods industries	68,602	68,163	68,401	+0.6	-0.3	+0.5	68,495	67,478	67,985	68,785	-0.4
Stone, clay, and glass products	2,501	2,521	2,497	-0.8	+1.0	+0.3	2,521	2,518	2,477	2,483	+1.5
Primary metals	6,248	6,237	6,187	+0.2	+0.8	-1.1	6,225	6,119	5,995	6,192	+0.5
Fabricated metal products	7,673	7,700	7,595	-0.4	+1.4	-0.7	7,716	7,707	7,523	8,226	-6.2
Industrial machinery and equipment	14,497	14,423	14,616	+0.5	-1.3	+1.7	14,468	14,252	14,549	13,317	+8.6
Electronic and other electrical equipment	10,555	10,449	10,364	+1.0	+0.8	+0.6	10,633	10,352	10,461	10,250	+3.7
Transportation equipment	11,733	11,606	12,047	+1.1	-3.7	+0.1	11,531	11,481	12,070	13,287	-13.2
Instruments and related products	6,816	6,761	6,828	+0.8	-1.0	-0.4	6,842	6,800	6,874	6,923	-1.2
Lumber, furniture and miscellaneous durable goods	8,579	8,466	8,267	+1.3	+2.4	+1.6	8,559	8,249	8,036	8,107	+5.6
Nondurable goods industries	52,719	53,055	52,965	-0.6	+0.2	+0.6	52,518	52,660	52,660	52,376	+0.3
Food and kindred products	10,185	10,292	10,086	-1.0	+2.0	-0.1	9,969	10,088	9,951	9,888	+0.8
Tobacco products	5,300	5,318	5,297	-0.3	+0.4	+0.9	5,003	5,056	5,176	4,937	+1.3
Textile mill products	2,606	2,622	2,639	-0.6	-0.6	+3.4	2,687	2,659	2,698	2,787	-3.6
Paper and allied products	6,791	6,752	6,723	+0.6	+0.4	0.0	6,760	6,737	6,715	6,791	-0.5
Chemicals and allied products	11,414	11,526	11,743	-1.0	-1.8	+0.6	11,499	11,565	11,707	11,599	-0.9
Petroleum and coal products	3,137	3,223	3,285	-2.7	-1.9	+0.8	3,146	3,248	3,326	3,481	-9.6
Rubber and plastics products	4,448	4,424	4,450	+0.5	-0.6	+1.0	4,424	4,338	4,408	4,366	+1.3
Apparel, printing and publishing and leather goods	8,838	8,898	8,742	-0.7	+1.8	+0.3	9,030	8,969	8,679	8,527	+5.9
WORK IN PROCESS											
All manufacturing industries	128,959	129,403	129,032	-0.3	+0.3	+0.2	129,300	128,931	129,714	132,601	-2.5
Durable goods industries	105,872	106,306	106,042	-0.4	+0.2	+0.4	106,173	106,123	106,735	109,995	-3.5
Stone, clay, and glass products	1,127	1,130	1,123	-0.3	+0.6	-1.1	1,138	1,135	1,154	1,181	-3.6
Primary metals	6,796	6,841	6,913	-0.7	-1.0	-0.7	6,895	6,903	7,002	7,527	-8.4
Fabricated metal products	7,560	7,586	7,653	-0.3	-0.9	+0.5	7,579	7,563	7,688	7,889	-3.9
Industrial machinery and equipment	17,454	17,471	17,164	-0.1	+1.8	+0.2	17,367	17,333	17,447	18,143	-4.3
Electronic and other electrical equipment	13,963	13,742	13,811	+1.6	-0.5	+1.4	14,053	13,765	14,010	12,623	+11.3
Transportation equipment	44,675	44,989	44,935	-0.7	+0.1	+0.4	44,662	44,773	44,887	47,476	-5.9
Instruments and related products	9,762	9,951	9,853	-1.9	+1.0	-1.0	9,898	9,997	9,921	11,006	-10.1
Lumber, furniture and miscellaneous durable goods	4,535	4,596	4,590	-1.3	+0.1	+1.5	4,581	4,654	4,626	4,150	+10.4
Nondurable goods industries	23,087	23,097	22,990	0.0	+0.5	-0.5	23,127	22,808	22,979	22,606	+2.3
Food and kindred products	3,765	3,755	3,692	+0.3	+1.7	-0.6	3,542	3,519	3,469	3,430	+3.3
Tobacco products	181	188	179	-3.7	+5.0	+8.5	134	139	142	78	+71.8
Textile mill products	2,459	2,452	2,462	+0.3	-0.4	-0.2	2,503	2,460	2,522	2,424	+3.3
Paper and allied products	1,208	1,221	1,223	-1.1	-0.2	+0.2	1,245	1,249	1,225	1,267	-1.7
Chemicals and allied products	5,722	5,666	5,528	+1.0	+2.5	-0.2	5,747	5,629	5,644	5,308	+8.3
Petroleum and coal products	2,600	2,600	2,693	0.0	-3.5	-4.4	2,613	2,618	2,710	2,899	-9.9
Rubber and plastics products	1,704	1,743	1,701	-2.2	+2.5	+0.8	1,674	1,692	1,685	1,589	+5.3
Apparel, printing and publishing and leather goods	5,448	5,472	5,512	-0.4	-0.7	+0.4	5,669	5,502	5,582	5,611	+1.0
FINISHED GOODS											
All manufacturing industries	131,110	130,705	131,193	+0.3	-0.4	+0.3	130,931	130,689	133,573	129,753	+0.9
Durable goods industries	63,334	63,045	63,291	+0.5	-0.4	0.0	63,495	63,360	65,103	64,677	-1.8
Stone, clay, and glass products	4,090	4,036	4,104	+1.3	-1.7	-0.7	4,090	4,064	4,247	4,214	-2.9
Primary metals	6,137	6,073	6,106	+1.1	-0.5	+3.4	6,102	6,037	6,253	6,141	-0.6
Fabricated metal products	7,865	7,740	7,880	+1.6	-1.8	+0.2	7,885	7,997	8,207	7,855	+0.4
Industrial machinery and equipment	13,101	13,209	13,025	-0.8	+1.4	-2.0	13,193	13,039	13,266	14,604	-9.7
Electronic and other electrical equipment	8,470	8,420	8,446	+0.6	-0.3	+1.3	8,702	8,780	8,864	8,851	-1.7
Transportation equipment	8,796	8,672	8,660	+1.4	+0.1	+0.1	8,566	8,293	8,616	8,755	-2.2
Instruments and related products	6,018	6,038	6,095	-0.3	-0.9	+0.1	6,059	6,085	6,276	5,942	+2.0
Lumber, furniture and miscellaneous durable goods	8,857	8,857	8,975	0.0	-1.3	-0.5	8,898	9,065	9,374	8,315	+7.0
Nondurable goods industries	67,776	67,660	67,902	+0.2	-0.4	+0.6	67,436	67,329	68,470	65,076	+3.6
Food and kindred products	16,250	16,230	16,399	+0.1	-1.0	+0.8	15,776	15,207	15,507	15,549	+1.5
Tobacco products	1,260	1,304	1,256	-3.4	+3.8	+10.1	1,220	1,223	1,210	1,207	+1.1
Textile mill products	4,140	4,165	4,207	-0.6	-1.0	-1.2	4,210	4,220	4,402	3,972	+6.0
Paper and allied products	5,554	5,531	5,567	+0.4	-0.6	+0.3	5,529	5,574	5,828	5,527	0.0
Chemicals and allied products	17,632	17,721	17,782	-0.5	-0.3	+0.6	17,339	17,515	17,888	17,083	+1.5
Petroleum and coal products	5,486	5,566	5,641	-1.4	-1.3	-2.6	5,469	5,582	5,712	5,743	-4.8
Rubber and plastics products	6,038	5,963	5,936	+1.3	+0.5	+1.6	5,970	6,014	6,104	5,268	+13.3
Apparel, printing and publishing and leather goods	11,416	11,180	11,114	+2.1	+0.6	+1.3	11,923	11,994	11,819	10,727	+11.1

[p] Preliminary. [r] Revised

Table 8. RATIOS OF MANUFACTURES' INVENTORIES TO SHIPMENTS AND UNFILLED ORDERS TO SHIPMENTS, BY INDUSTRY GROUP
(Based on seasonally adjusted data)

Industry	Inventory / Shipments ratio				Unfilled Orders / Shipments ratio[1]			
	July 1993[p]	June 1993[r]	May 1993	Apr. 1993	July 1993[p]	June 1993[r]	May 1993	Apr. 1993
All manufacturing industries	1.52	1.48	1.50	1.49	3.41	3.33	3.42	3.46
urable goods industries	1.84	1.76	1.80	1.79	4.16	4.02	4.15	4.20
Stone, clay, and glass products	1.35	1.33	1.35	1.33	1.36	1.34	1.41	1.36
Primary metals	1.72	1.65	1.72	1.68	2.02	1.95	2.07	2.05
Fabricated metal products	1.68	1.62	1.64	1.66	1.71	1.65	1.71	1.74
Industrial machinery and equipment	1.91	1.94	1.93	1.95	2.29	2.32	2.33	2.38
Electronic and other electrical equipment	1.73	1.67	1.73	1.73	2.29	2.18	2.24	2.30
Transportation equipment	2.11	1.84	1.92	1.86	13.85	12.18	12.84	12.56
Instruments and related products	2.13	2.10	2.16	2.18	5.07	4.98	5.21	5.30
ondurable goods industries	1.17	1.17	1.18	1.17	0.76	0.78	0.78	0.79
Food and kindred products	0.88	0.88	0.90	0.88	(X)	(X)	(X)	(X)
Tobacco products	2.08	2.45	2.61	2.46	(X)	(X)	(X)	(X)
Textile mill products	1.56	1.58	1.59	1.60	(NA)	(NA)	(NA)	(NA)
Paper and allied products	1.25	1.26	1.24	1.26	(NA)	(NA)	(NA)	(NA)
Chemicals and allied products	1.33	1.31	1.36	1.34	(X)	(X)	(X)	(X)
Petroleum and coal products	0.91	0.90	0.89	0.91	(X)	(X)	(X)	(X)
Rubber and plastics products	1.48	1.41	1.40	1.40	(X)	(X)	(X)	(X)

[p] Preliminary. [r] Revised. (X) Not applicable. (NA) Not available.

[1] Excludes the following industries with no unfilled orders : Wood and lumber products; glass containers; metal cans, barrels and drums; farm and garden machinery; notor vehicle assembly operations; other transportation equipment; foods and related products; tobacco; knitting mill products; apparel and related products; chemicals; etroleum and coal products; and rubber and plastics products.

Table 9. REVISIONS TO PREVIOUSLY PUBLISHED MONTHLY PERCENT CHANGES
(Based on seasonally adjusted data)

Industry	Shipments			New orders			Unfilled orders			Inventories		
	July[1] 1993	July[2] 1988-1992	July 1992-June 1993	July[1] 1993	July[2] 1988-1992	July 1992-June 1993	July[1] 1993	July[2] 1988-1992	July 1992-June 1993	July[1] 1993	July[2] 1988-1992	July 1992-June 1993
All manufacturing industries	(X)	0.1	0.2	(X)	0.1	0.2	(X)	0.1	0.1	(X)	0.1	0.0
urable goods industries	-0.2	0.2	0.3	0.7	0.3	0.3	0.2	0.0	0.1	(X)	0.2	0.1
Stone, clay, and glass products	(X)	0.6	0.5	(X)	1.1	0.9	(X)	0.6	0.4	(X)	0.2	0.2
Primary metals	0.0	0.4	0.3	0.0	0.5	0.9	0.1	0.2	0.3	(X)	0.2	0.1
Fabricated metal products	(X)	0.3	0.3	(X)	0.5	0.7	(X)	0.1	0.4	(X)	0.2	0.2
Industrial machinery and equipment	-0.6	0.4	0.5	-0.3	0.6	0.5	0.1	0.3	0.1	(X)	0.1	0.1
Electronic and other electrical equipment	-0.2	0.2	0.4	2.7	0.6	0.5	0.7	0.2	0.1	(X)	0.1	0.1
Transportation equipment	0.0	0.3	0.7	1.4	0.3	1.0	0.2	0.1	0.1	(X)	0.7	0.1
Instruments and related products	(X)	0.4	0.4	(X)	0.7	1.0	(X)	0.2	0.1	(X)	0.3	0.2
ondurable goods industries	(X)	0.2	0.1	(X)	0.2	0.1	(X)	0.5	0.4	(X)	0.2	0.1
Food and kindred products	(X)	0.2	0.1	(X)	(X)	(X)	(X)	(X)	(X)	(X)	0.3	0.1
Tobacco products	(X)	0.3	0.3	(X)	(X)	(X)	(X)	(X)	(X)	(X)	0.2	0.1
Textile mill products	(X)	0.8	0.4	(X)	(NA)	(NA)	(X)	(NA)	(NA)	(X)	0.3	0.2
Paper and allied products	(X)	0.3	0.3	(X)	(NA)	(NA)	(X)	(NA)	(NA)	(X)	0.6	0.2
Chemicals and allied products	(X)	0.4	0.2	(X)	(X)	(X)	(X)	(X)	(X)	(X)	0.2	0.2
Petroleum and coal products	(X)	0.3	0.3	(X)	(X)	(X)	(X)	(X)	(X)	(X)	0.2	0.2
Rubber and plastics products	(X)	0.7	0.3	(X)	(X)	(X)	(X)	(X)	(X)	(X)	0.3	0.2
apital goods industries :												
Nondefense	-0.1	0.4	0.5	0.0	0.4	0.6	0.0	0.1	0.1	(X)	0.6	0.1
Defense	0.3	0.4	0.6	8.7	0.4	1.5	0.5	0.0	0.1	(X)	0.2	0.2

(X) Not applicable. (NA) Not available.

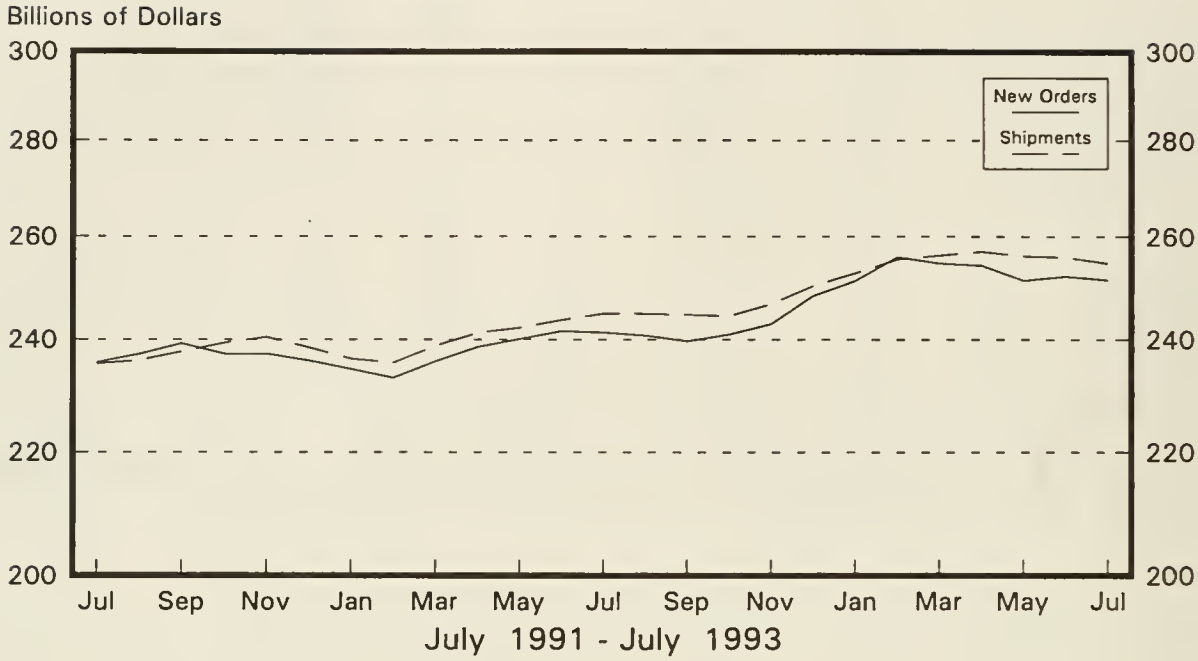
Note : The five year and the twelve month revisions are the differences between the month-to-month percent changes of the preliminary and final estimates. The monthly averages are the simple averages of the absolute values of the differences for the months specified. The advance to final percent change revisions for the durable goods industries are shown in the advance report for the month.

[1] The current month revisions are the difference between the advance precent change and the percent change as shown in this publication.

[2] Average for this month for the last five years.

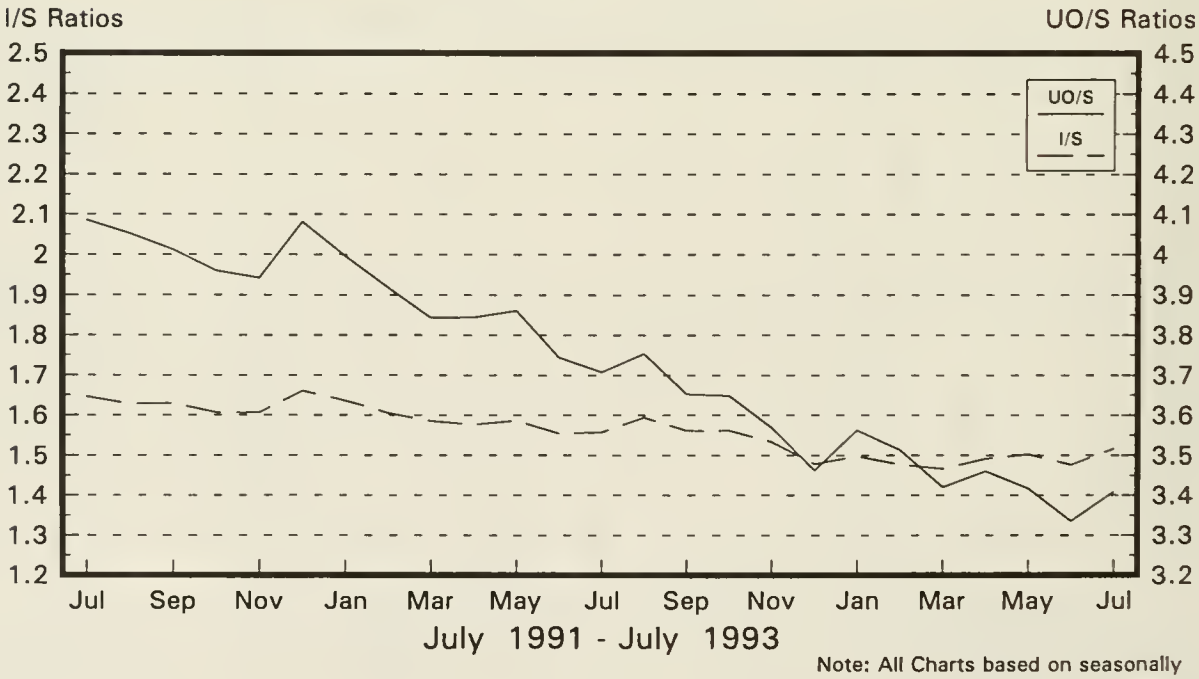
Total Manufacturing

New Orders and Shipments
Three Month Moving Averages



Total Manufacturing

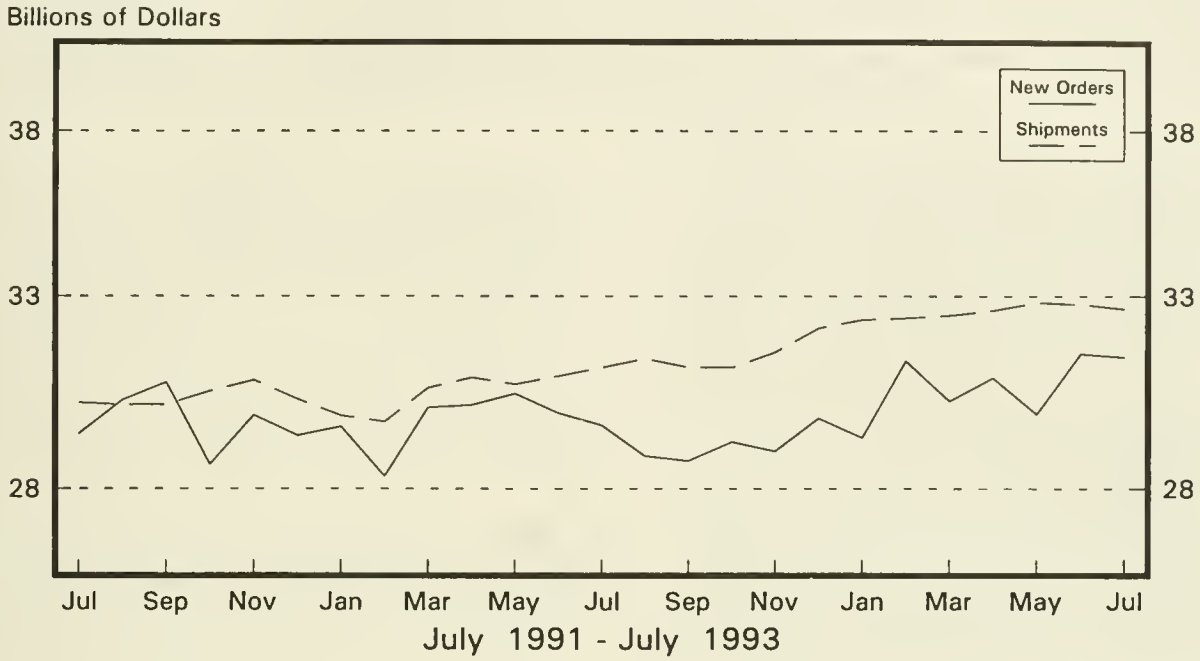
Ratio of Unfilled Orders and
Inventories to Shipments



Note: All Charts based on seasonally adjusted current dollars.

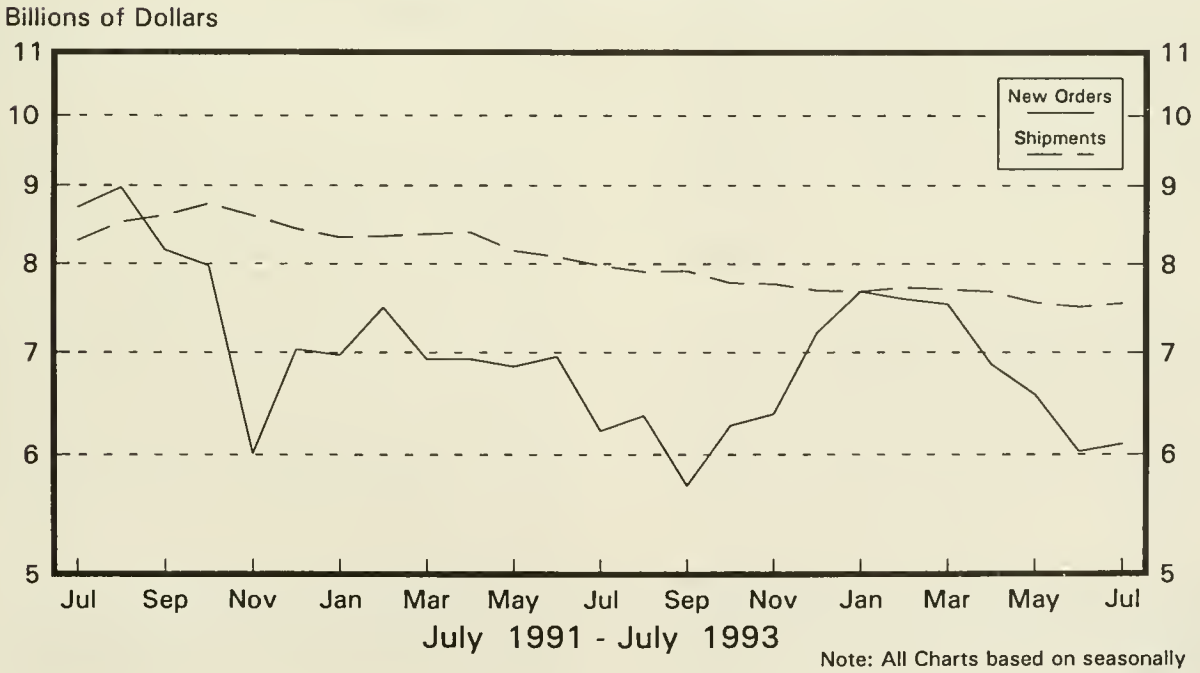
Nondefense Capital Goods

New Orders and Shipments
Three Month Moving Averages



Defense Capital Goods

New Orders and Shipments
Three Month Moving Averages



Note: All Charts based on seasonally adjusted current dollars.

U.S. Department of Commerce
BUREAU OF THE CENSUS
Washington, D.C. 20233

Official Business

Penalty for Private Use, $300

U.S.MAIL

POSTAGE AND FEES PA
U S DEPARTMENT OF COMMERC

COM-20

First Class Mail

.158:M 3-1-(93)-8

ent Industrial Reports, Manufac...

Manufacturers' Shipments, Inventories, and Orders

U. S. Department of Commerce
Economics and Statistics Administration
BUREAU OF THE CENSUS

August 1993
M3-1-(93)-8
For Wire Transmissions 10:00 a.m. E.D.T. October 1, 1993

Steve Andrews or Kathy Menth
(301)763-2502 or (301)763-2575

Note: All figures in text are in seasonally adjusted current dollars

Summary

New orders for manufactured goods in August increased $2.2 billion or 0.9 percent to $252.8 billion, the Department of Commerce, Bureau of the Census reported today. This follows a 1.9 percent decrease in July and is the second increase in the last three months. Year-to-date new orders for 1993 totaled $2,023.4 billion, 5.9 percent above the same period a year ago.

Shipments increased $3.8 billion or 1.5 percent to $255.5 billion, following a 2.6 percent decrease in July. This is the second increase in the last three months. Year-to-date shipments for 1993 totaled $2,043.2 billion, 5.6 percent above the same period a year ago.

Unfilled orders decreased $2.7 billion or 0.6 percent to $455.5 billion, the lowest level since July 1988. This is the sixth consecutive monthly decline and the twenty-first in the last twenty-four months. The unfilled orders-to-shipments ratio decreased from 3.41 in July to 3.32 in August, the lowest level since April 1978.

Inventories decreased $0.1 billion to $381.4 billion, the second decline in the last three months. The inventories-to-shipments ratio decreased from 1.52 in July to 1.49 in August.

New Orders

New orders for manufactured durable goods in August increased $2.9 billion or 2.3 percent to $131.4 billion, following a 2.8 percent decrease in July. This is the second increase in the last three months.

Transportation equipment had the largest increase, up $2.3 billion or 7.8 percent to $31.5 billion, as increases in motor vehicles and parts and aircraft and parts more than offset a decline in shipbuilding and tanks. This follows a 16.3 percent decrease in July. Excluding transportation equipment, new orders increased $0.6 billion or 0.6 percent. Fabricated metal products increased $0.4 billion or 2.8 percent to $14.0 billion, the first increase since May. Industrial machinery and equipment, up for the second consecutive month, increased $0.4 billion or 1.5 percent to $24.1 billion. Instruments and related products increased $0.3 billion or 2.9 percent to $10.8 billion, following a 7.6 percent increase in July. The largest decline was in electronic and other electrical equipment, down $0.8 billion or 4.1 percent to $19.6 billion, primarily due to electronic components. This follows a 2.9 percent increase in July.

New orders for nondurable goods decreased $0.7 billion or 0.6 percent to $121.4 billion, following a 0.9 percent decrease in July. This is the fourth decline in the last five months. Tobacco products had the largest decrease. The largest increases were in food and kindred products and rubber and plastics products.

Shipments

Shipments of durable goods in August increased $4.6 billion or 3.6 percent to $133.9 billion, the largest increase since December 1992. This follows a 4.3 percent decrease in July and is the second increase in the last three months. Nine of ten major industry groups increased. Transportation equipment had the largest increase, up $3.0 billion or 9.8 percent to $33.9 billion, primarily due to motor vehicles and parts and aircraft and parts. This follows a 12.9 percent decline in July.

Shipments of nondurable goods decreased $0.8 billion or 0.7 percent to $121.6 billion, following a 0.7 percent decrease in July. This is the fourth decline in the last five months. The largest decrease was in tobacco products, down $1.2 billion or 38.1 percent to $2.0 billion, the largest decline on record. The largest increase was in food and kindred products, up $0.6 billion or 1.7 percent to $35.0 billion, the highest level on record. Rubber and plastics products increased $0.4 billion or 4.9 percent to $8.6 billion, following a 4.8 percent decline in July.

Unfilled Orders

Unfilled orders for durable goods in August decreased $2.4 billion or 0.6 percent to $433.2 billion, the lowest level since July 1988. This is the sixth consecutive monthly decline and twenty-fifth in the last thirty months. Transportation equipment, down for the sixteenth consecutive month, had the largest decrease, down $2.4 billion or 1.0 percent to $226.4 billion, primarily due to aircraft and parts. This is the lowest level since March 1989. Excluding transportation equipment, unfilled orders were virtually unchanged. Industrial machinery and equipment had the largest increase, up $0.3 billion or 0.5 percent to $50.9 billion. Unfilled orders for nondurable goods decreased $0.3 billion or 1.1 percent to $22.3 billion, the fourth consecutive monthly decline.

Inventories

Inventories for durable goods in August decreased $0.5 billion or 0.2 percent to $237.5 billion, the second decline in the last three months. Transportation equipment had the largest decrease, down $1.0 billion or 1.5 percent to $64.0 billion, primarily due to aircraft and parts. Excluding transportation equipment, inventories were up $0.6 billion or 0.3 percent. Nondurable goods inventories increased $0.3 billion or 0.2 percent to $143.9 billion, following two consecutive monthly declines.

By stage of fabrication, finished goods decreased 0.7 percent in durables and increased 0.4 percent in nondurables. Work in process was down 0.2 percent in durables and up 0.3 percent in nondurables. Materials and supplies increased 0.3 percent in durables and declined 0.1 percent in nondurables.

The advance report on durable goods for September is scheduled for October 27, 1993 at 8:30 a.m. and the full report on November 4, 1993 at 10:00 a.m. For sale by the Superintendent of Documents, U.S. Government Printing Office, Washington, DC 20402. This report is also available the day of issue through the Department of Commerce's online Economic Bulletin Board (N-8-1) (202-482-3870) and through the Census Bureau's online information service-CENDATA. CENDATA is available from Dialog Information Services, Inc. (1-800-334-2564) and CompuServe (1-800-848-8199). The CENDATA staff at the Bureau of the Census (301-763-2074) can provide content information and general guidance.

Table 1. VALUE OF MANUFACTURERS' SHIPMENTS FOR INDUSTRY GROUPS
(Millions of dollars)

Industry	Seasonally adjusted						Not seasonally adjusted[1]						
	Monthly			Percent Change			Monthly				Percent change	Year to date	
	Aug. 1993[p]	July 1993[r]	June 1993	July-Aug.	June-July	May-June	Aug. 1993[p]	July 1993[r]	June 1993	Aug. 1992	Aug. 93/92	1993[p]	1992
All manufacturing industries	255,511	251,680	258,299	+1.5	-2.6	+1.7	255,590	230,372	278,186	242,876	+5.2	2,022,872	1,916,48
Manufacturing Industries													
with unfilled orders	137,328	134,269	137,744	+2.3	-2.5	+1.8	136,165	121,013	149,257	128,990	+5.6	1,069,899	1,025,17
without defense capital goods	248,429	244,086	250,705	+1.8	-2.6	+1.7	248,850	223,644	270,117	235,446	+5.7	1,965,742	1,854,83
Durable goods industries	133,892	129,257	135,042	+3.6	-4.3	+2.1	131,822	112,784	148,762	122,907	+7.3	1,052,746	979,58
With unfilled orders	107,999	104,574	108,429	+3.3	-3.6	+2.6	106,167	92,819	119,458	99,579	+6.6	837,750	796,83
Stone, clay, and glass products	5,741	5,700	5,766	+0.7	-1.1	+0.7	6,244	5,622	6,378	6,152	+1.5	45,285	43,40
Primary metals	11,272	11,127	11,628	+1.3	-4.3	+4.0	11,406	10,261	12,286	11,441	-0.3	91,635	91,34
Blast furnaces, steel mills	5,311	5,215	5,245	+1.8	-0.6	+1.7	5,338	4,805	5,553	4,815	+10.9	41,904	39,05
Iron and steel foundries	1,001	898	1,007	+11.5	-10.8	+4.8	1,029	740	1,122	1,047	-1.7	8,154	8,10
Nonferrous and other primary metals	4,960	5,014	5,376	-1.1	-6.7	+6.2	5,039	4,716	5,611	5,579	-9.7	41,577	44,11
Fabricated metal products	14,081	13,811	14,249	+2.0	-3.1	+1.0	14,172	12,521	15,409	13,491	+5.0	111,356	105,2
Industrial machinery and equipment	23,821	23,482	23,190	+1.4	+1.3	-0.4	22,084	20,412	26,974	19,611	+12.6	183,452	163,9
Engines and turbines	1,556	1,516	1,610	+2.6	-5.8	+7.6	1,384	1,126	1,898	1,214	+14.0	11,553	10,40
Farm and garden machinery	1,480	1,456	1,488	+1.6	-2.2	-4.3	1,097	1,089	1,526	876	+25.2	12,366	10,5
Construction, mining and material handling equipment	2,382	2,363	2,423	+0.8	-2.5	-2.7	2,296	2,189	2,672	2,089	+9.9	19,644	16,4
Metalworking machinery	2,526	2,521	2,462	+0.2	+2.4	-6.5	2,385	2,112	2,724	2,327	+2.5	19,694	18,1
Computer and office equipment	6,543	6,461	6,018	+1.3	+7.4	+0.8	5,876	5,131	8,037	4,869	+20.7	46,500	40,5
Electronic and other electrical equipment	19,586	19,228	19,517	+1.9	-1.5	+3.6	19,436	17,219	20,958	16,932	+14.8	147,208	133,1
Electrical transmission and distribution equipment and industrial apparatus	2,411	2,374	2,361	+1.6	+0.6	0.0	2,352	2,112	2,575	2,231	+5.4	18,838	18,1
Household appliances	1,729	1,722	1,656	+0.4	+4.0	+3.8	1,734	1,671	1,861	1,515	+14.5	13,102	11,8
Electric lighting and wiring equipment	1,657	1,654	1,696	+0.2	-2.5	+0.4	1,612	1,402	1,825	1,503	+7.3	13,046	11,9
Household audio and video equipment	936	982	905	-4.7	+8.5	+1.2	1,001	846	858	1,011	-1.0	6,618	6,6
Communications equipment	3,938	3,869	3,965	+1.8	-2.4	+4.9	3,815	3,364	4,404	3,256	+17.2	28,930	26,0
Electronic components	6,886	6,708	7,041	+2.7	-4.7	+7.2	6,893	6,228	7,346	5,656	+21.9	52,098	44,8
Transportation equipment	33,888	30,865	35,443	+9.8	-12.9	+3.4	32,626	23,603	39,396	30,995	+5.3	274,836	253,4
Motor vehicles and parts	21,737	20,070	22,894	+8.3	-12.3	+2.5	21,187	13,993	25,490	19,285	+9.9	181,539	152,5
Aircraft, missiles, space vehicles, and parts.	9,904	8,461	10,150	+17.1	-16.6	+5.5	9,167	7,418	11,502	9,350	-2.0	74,328	82,9
Shipbuilding and tanks	944	1,067	944	-11.5	+13.0	-0.2	928	1,017	947	1,015	-8.6	7,605	7,8
Instruments and related products	10,850	10,647	10,837	+1.9	-1.8	+2.6	10,472	9,603	11,826	10,098	+3.7	83,239	82,8
Search and navigation equipment	2,583	2,755	2,811	-6.2	-2.0	+1.7	2,479	2,354	3,058	2,635	-5.9	20,868	21,5
Measuring and controlling devices	2,933	2,843	2,847	+3.2	-0.1	-2.2	2,880	2,575	3,041	2,755	+4.5	22,677	22,1
Medical instruments and supplies	2,990	2,864	3,002	+4.4	-4.6	+9.0	2,909	2,671	3,234	2,757	+5.5	22,943	22,8
Photographic goods	2,005	1,847	1,847	+8.6	0.0	+2.5	1,861	1,667	2,137	1,623	+14.7	14,079	13,6
All other durable goods	14,653	14,397	14,412	+1.8	-0.1	+0.3	15,382	13,543	15,535	14,187	+8.4	115,735	106,1
Nondurable goods industries	121,619	122,423	123,257	-0.7	-0.7	+1.3	123,768	117,588	129,424	119,969	+3.2	970,126	936,9
With unfilled orders	29,329	29,695	29,315	-1.2	+1.3	-0.8	29,998	28,194	29,799	29,411	+2.0	232,149	228,3
Food and kindred products	35,027	34,443	34,342	+1.7	+0.3	+2.7	35,194	33,096	35,711	32,863	+7.1	269,980	258,5
Meat products	8,034	7,971	7,989	+0.8	-0.2	+0.9	8,235	7,815	8,333	7,628	+8.0	62,968	58,6
Dairy products	4,493	4,516	4,575	-0.5	-1.3	+2.3	4,610	4,537	4,838	4,538	+1.6	35,758	34,8
Beverages	5,014	4,896	4,914	+2.4	-0.4	+1.0	5,350	5,183	5,659	5,029	+6.4	39,479	38,6
All other foods, except fats and oils	15,710	15,391	15,119	+2.1	+1.8	+4.1	15,223	13,892	15,136	14,110	+7.9	118,119	113,6
Tobacco products	2,025	3,270	2,777	-38.1	+17.8	+7.5	1,871	2,565	3,437	1,933	-3.2	20,375	19,7
Textile mill products	5,890	5,887	5,844	+0.1	+0.7	-0.4	6,282	5,187	6,448	6,205	+1.2	46,231	45,8
Broadwoven fabrics and other textiles	3,534	3,625	3,564	-2.5	+1.7	-1.7	3,746	3,134	3,838	3,867	-3.1	28,743	28,8
Paper and allied products	10,642	10,724	10,757	-0.8	-0.3	-1.3	10,857	10,561	11,216	11,206	-3.1	86,246	87,5
Pulp, paper, and paperboard mill products	4,312	4,362	4,371	-1.1	-0.2	-0.7	4,351	4,344	4,542	4,483	-2.9	34,936	35,7
Paperboard containers and boxes	2,631	2,666	2,642	-1.3	+0.9	-1.1	2,718	2,594	2,725	2,819	-3.6	21,269	21,6
Miscellaneous converted paper products	3,699	3,696	3,744	+0.1	-1.3	-2.3	3,788	3,623	3,949	3,904	-3.0	30,041	30,0
Chemicals and allied products	25,831	26,008	26,691	-0.7	-2.6	+3.9	25,627	24,821	28,460	25,033	+2.4	209,992	201,4
Industrial chemicals	13,387	13,389	13,651	0.0	-1.9	+2.3	13,467	13,057	14,314	13,269	+1.5	108,634	104,5
Drugs, soaps, and toiletries	9,570	9,709	9,863	-1.4	-1.6	+6.0	9,532	9,095	10,444	9,167	+4.0	75,784	71,5
Petroleum and coal products	11,945	12,288	12,707	-2.8	-3.3	-2.4	12,498	12,599	13,306	13,602	-8.1	100,002	100,9
Rubber and plastics products	8,616	8,215	8,626	+4.9	-4.8	+0.2	8,770	7,885	9,387	8,670	+1.2	69,456	69,7
All other nondurable goods	21,643	21,588	21,513	+0.3	+0.3	-0.4	22,669	20,874	21,459	20,457	+10.8	167,844	153,0

[p] Preliminary. [r] Revised.

[1] Shipments and new orders are the totals for the period and are adjusted for trading-day and calendar-month variations.

Table 2. VALUE OF MANUFACTURERS' NEW ORDERS FOR INDUSTRY GROUPS
(Millions of dollars)

Industry	Seasonally adjusted						Not seasonally adjusted[1]						
	Monthly			Percent Change			Monthly				Percent change	Year to date	
	Aug. 1993[p]	July 1993[r]	June 1993	July-Aug.	June-July	May-June	Aug. 1993[p]	July 1993[r]	June 1993	Aug. 1992	Aug. 93/92	1993[p]	1992
All manufacturing industries	252,811	250,566	255,462	+0.9	-1.9	+2.9	251,743	230,096	272,580	236,726	+6.3	2,005,907	1,894,844
lanufacturing industries													
with unfilled orders	134,628	133,155	134,907	+1.1	-1.3	+4.1	132,318	120,737	143,651	122,840	+7.7	1,052,934	1,003,537
without defense capital goods	245,641	243,335	249,674	+0.9	-2.5	+2.8	245,750	224,122	267,140	231,941	+6.0	1,956,874	1,847,732
urable goods industries	131,450	128,520	132,252	+2.3	-2.8	+4.3	128,093	112,603	143,151	116,764	+9.7	1,034,832	956,905
With unfilled orders	105,557	103,837	105,639	+1.7	-1.7	+5.4	102,438	92,638	113,847	93,436	+9.6	819,836	774,163
tone, clay, and glass products	5,765	5,818	5,449	-0.9	+6.8	-7.6	6,324	5,986	6,063	6,138	+3.0	46,647	44,400
rimary metals	10,939	10,859	11,095	+0.7	-2.1	+1.2	10,676	10,214	11,517	11,132	-4.1	93,134	91,105
Blast furnaces, steel mills	5,133	4,889	5,097	+5.0	-4.1	-0.8	5,086	4,708	5,336	4,666	+9.0	43,710	38,569
Iron and steel foundries	855	1,098	927	-22.1	+18.4	-4.4	906	968	990	1,099	-17.6	8,198	8,068
Nonferrous and other primary metals	4,951	4,872	5,071	+1.6	-3.9	+4.5	4,684	4,538	5,191	5,367	-12.7	41,226	44,468
abricated metal products	14,008	13,629	13,774	+2.8	-1.1	-1.0	14,131	12,393	14,749	13,213	+6.9	109,917	103,403
dustrial machinery and equipment	24,095	23,733	22,932	+1.5	+3.5	-1.2	22,595	20,545	26,248	19,275	+17.2	184,075	162,050
Engines and turbines	1,556	1,639	1,713	-5.1	-4.3	+23.0	1,612	1,385	2,046	1,462	+10.3	11,586	10,574
Construction, mining and material handling equipment	2,517	2,376	2,280	+5.9	+4.2	-11.8	2,425	2,151	2,389	2,041	+18.8	19,686	16,261
Metalworking machinery	2,653	2,536	2,652	+4.6	-4.4	+10.1	2,512	2,127	2,914	1,978	+27.0	19,361	17,854
Computer and office equipment	6,395	6,299	5,927	+1.5	+6.3	-5.3	5,831	4,889	7,853	5,006	+16.5	46,714	39,551
ectronic and other electrical equipment	19,606	20,448	19,865	-4.1	+2.9	+9.2	19,236	18,617	20,514	16,879	+14.0	148,771	133,686
Electrical transmission and distribution equipment and industrial apparatus	2,480	2,341	2,316	+5.9	+1.1	0.0	2,432	2,113	2,491	2,221	+9.5	19,105	17,915
Electric lighting and wiring equipment	1,634	1,731	1,675	-5.6	+3.3	-4.2	1,589	1,479	1,804	1,528	+4.0	13,242	11,788
Communications equipment	3,998	3,906	4,405	+2.4	-11.3	+15.2	3,809	3,443	4,873	3,166	+20.3	28,950	26,038
Electronic components	6,911	7,635	6,888	-9.5	+10.8	+16.9	6,710	7,093	6,611	5,674	+18.3	52,546	45,624
ansportation equipment	31,488	29,203	34,903	+7.8	-16.3	+14.5	29,647	21,460	38,284	26,742	+10.9	254,057	235,925
Aircraft, missiles, space vehicles, and parts	7,549	6,093	9,599	+23.9	-36.5	+52.5	6,253	4,452	10,543	5,904	+5.9	53,327	67,351
Shipbuilding and tanks	915	1,635	637	-44.0	+156.7	+158.9	896	1,575	651	484	+85.1	6,985	4,975
struments and related products	10,790	10,483	9,747	+2.9	+7.6	-0.9	10,213	9,591	10,326	9,630	+6.1	80,996	78,622
Search and navigation equipment	2,815	2,441	2,024	+15.3	+20.6	-4.3	2,501	2,205	1,827	1,726	+44.9	19,238	17,865
Measuring and controlling devices	2,817	2,847	2,822	-1.1	+0.9	+3.3	2,764	2,579	3,016	2,656	+4.1	22,514	21,706
Medical instruments and supplies	2,829	2,920	2,744	-3.1	+6.4	-4.8	2,748	2,727	2,976	3,253	-15.5	22,447	22,841
ll other durable goods	14,759	14,347	14,487	+2.9	-1.0	+1.3	15,271	13,797	15,450	13,755	+11.0	117,235	107,714
ondurable goods industries	121,361	122,046	123,210	-0.6	-0.9	+1.4	123,650	117,493	129,429	119,962	+3.1	971,075	937,939
With unfilled orders	29,071	29,318	29,268	-0.8	+0.2	-0.5	29,880	28,099	29,804	29,404	+1.6	233,098	229,374

[p] Preliminary. [r] Revised.

[1] Shipments and new orders are the totals for the period and are adjusted for trading-day and calendar-month variations.

(n) When new orders for a prior month are negative because of cancellations, the percentage change calculation is algebraically negative, even though there is a net dollar crease from the prior month to the current month.

Table 3. VALUE OF MANUFACTURERS' UNFILLED ORDERS FOR INDUSTRY GROUPS
(Millions of dollars)

Industry	Seasonally adjusted						Not seasonally adjusted				
	Monthly			Percent Change			Monthly				Percent change
	Aug. 1993[p]	July 1993[r]	June 1993	July-Aug.	June-July	May-June	Aug. 1993[p]	July 1993[r]	June 1993	Aug. 1992	Aug. 93/92
All manufacturing industries	455,495	458,195	459,309	-0.6	-0.2	-0.6	455,221	459,068	459,344	486,126	-6.4
Manufacturing industries without defense capital goods	331,975	334,763	335,514	-0.8	-0.2	-0.3	333,538	336,638	336,160	355,219	-6.1
Durable goods industries	433,192	435,634	436,371	-0.6	-0.2	-0.6	432,211	435,940	436,121	462,715	-6.6
Stone, clay, and glass products	7,339	7,315	7,197	+0.3	+1.6	-4.2	7,754	7,674	7,310	7,538	+2.9
Primary metals	22,025	22,358	22,626	-1.5	-1.2	-2.3	22,175	22,905	22,952	21,572	+2.8
Blast furnaces, steel mills	10,008	10,186	10,512	-1.7	-3.1	-1.4	10,228	10,480	10,577	8,291	+23.4
Iron and steel foundries	2,843	2,989	2,789	-4.9	+7.2	-2.8	2,874	2,997	2,769	2,917	-1.5
Nonferrous and other primary metals	9,174	9,183	9,325	-0.1	-1.5	-3.2	9,073	9,428	9,606	10,364	-12.5
Fabricated metal products	21,383	21,456	21,638	-0.3	-0.8	-2.1	21,322	21,363	21,491	22,117	-3.6
Industrial machinery and equipment	50,887	50,613	50,362	+0.5	+0.5	-0.5	50,742	50,231	50,098	50,853	-0.2
Engines and turbines	10,020	10,020	9,897	0.0	+1.2	+1.1	10,089	9,861	9,602	9,676	+4.3
Construction, mining and material handling equipment	5,774	5,639	5,626	+2.4	+0.2	-2.5	5,641	5,512	5,550	5,503	+2.5
Metalworking machinery	7,000	6,873	6,858	+1.8	+0.2	+2.8	7,000	6,873	6,858	8,228	-14.9
Computer and office equipment	7,170	7,318	7,480	-2.0	-2.2	-1.2	7,335	7,380	7,622	7,663	-4.3
Electronic and other electrical equipment	43,749	43,729	42,509	0.0	+2.9	+0.8	43,650	43,850	42,452	42,090	+3.7
Electrical transmission and distribution equipment and industrial apparatus	5,807	5,738	5,771	+1.2	-0.6	-0.8	5,819	5,739	5,738	5,952	-2.2
Electric lighting and wiring equipment	3,176	3,199	3,122	-0.7	+2.5	-0.7	3,176	3,199	3,122	2,976	+6.7
Communications equipment	13,487	13,427	13,390	+0.4	+0.3	+3.4	13,442	13,448	13,369	13,226	+1.6
Electronic components	16,276	16,251	15,324	+0.2	+6.0	-1.0	16,130	16,313	15,448	15,214	+6.0
Transportation equipment	226,402	228,802	230,464	-1.0	-0.7	-0.2	225,067	228,046	230,189	256,309	-12.2
Aircraft, missiles, space vehicles, and parts	197,559	199,914	202,282	-1.2	-1.2	-0.3	196,175	199,089	202,055	225,792	-13.1
Shipbuilding and tanks	20,535	20,564	19,996	-0.1	+2.8	-1.5	20,594	20,626	20,068	22,804	-9.7
Instruments and related products	53,713	53,773	53,937	-0.1	-0.3	-2.0	53,344	53,603	53,615	54,127	-1.4
Search and navigation equipment	35,933	35,701	36,015	+0.6	-0.9	-2.1	35,525	35,503	35,652	36,183	-1.8
Measuring and controlling devices	9,025	9,141	9,137	-1.3	0.0	-0.3	9,025	9,141	9,137	8,799	+2.6
Medical instruments and supplies	7,927	8,088	8,032	-2.0	+0.7	-3.1	7,927	8,088	8,032	8,175	-3.0
All other durable goods	7,694	7,588	7,638	+1.4	-0.7	+1.0	8,157	8,268	8,014	8,109	+0.6
Nondurable goods industries	22,303	22,561	22,938	-1.1	-1.6	-0.2	23,010	23,128	23,223	23,411	-1.7

[p] Preliminary. [r] Revised.

Table 4. VALUE OF MANUFACTURERS' INVENTORIES FOR INDUSTRY GROUPS
(Millions of dollars)

Industry	Seasonally adjusted						Not seasonally adjusted				
	Monthly			Percent Change			Monthly				Percent change
	Aug. 1993[p]	July 1993[r]	June 1993	July-Aug.	June-July	May-June	Aug. 1993[p]	July 1993[r]	June 1993	Aug. 1992	Aug. 93/92
All manufacturing industries	381,418	381,561	381,326	0.0	+0.1	-0.1	383,492	381,635	379,758	387,101	-0.9
lanufacturing industries											
vith unfilled orders	251,651	252,122	251,446	-0.2	+0.3	-0.1	254,425	253,841	251,621	261,034	-2.5
vithout defense capital goods	353,365	353,441	352,881	0.0	+0.2	0.0	354,874	353,146	350,982	354,399	+0.1
urable goods industries	237,484	237,937	237,514	-0.2	+0.2	-0.1	239,447	238,501	236,961	245,325	-2.4
With unfilled orders	218,176	218,813	218,182	-0.3	+0.3	-0.1	220,428	220,004	218,042	227,000	-2.9
one, clay, and glass products	7,627	7,692	7,687	-0.8	+0.1	-0.5	7,581	7,728	7,717	7,856	-3.5
imary metals	19,380	19,305	19,151	+0.4	+0.8	-0.3	19,551	19,318	19,059	20,043	-2.5
Blast furnaces, steel mills	9,449	9,553	9,431	-1.1	+1.3	-0.1	9,506	9,581	9,237	9,999	-4.9
Iron and steel foundries	1,393	1,380	1,374	+0.9	+0.4	-1.1	1,379	1,350	1,393	1,394	-1.1
Nonferrous and other primary metals	8,538	8,372	8,346	+2.0	+0.3	-0.3	8,666	8,387	8,429	8,650	+0.2
abricated metal products	23,186	23,130	23,026	+0.2	+0.5	-0.4	23,203	23,191	23,267	23,952	-3.1
dustrial machinery and equipment	45,452	45,282	45,103	+0.4	+0.4	+0.7	45,976	45,317	44,624	46,676	-1.5
Engines and turbines	3,631	3,571	3,538	+1.7	+0.9	-0.4	3,789	3,621	3,524	3,647	+3.9
Farm and garden machinery	2,147	2,124	2,115	+1.1	+0.4	+0.8	2,055	1,988	2,033	2,227	-7.7
Construction, mining and material handling equipment	5,786	5,805	5,863	-0.3	-1.0	0.0	5,751	5,759	5,902	5,942	-3.2
Metalworking machinery	5,187	5,181	5,238	+0.1	-1.1	+1.3	5,301	5,214	5,183	5,581	-5.0
Computer and office equipment	10,565	10,595	10,345	-0.3	+2.4	+2.1	10,998	10,808	9,958	10,781	+2.0
ectronic and other lectrical equipment	33,222	33,013	32,611	+0.6	+1.2	0.0	33,683	33,395	32,897	31,988	+5.3
Electrical transmission and distribution equipment and industrial apparatus	4,376	4,379	4,371	-0.1	+0.2	-0.2	4,418	4,411	4,390	4,631	-4.6
Household appliances	2,513	2,525	2,561	-0.5	-1.4	-2.0	2,440	2,522	2,680	2,459	-0.8
Electric lighting and wiring equipment	2,914	2,907	2,872	+0.2	+1.2	+0.4	2,955	2,974	2,953	2,986	-1.0
Household audio and video equipment	1,159	1,190	1,145	-2.6	+3.9	+4.4	1,242	1,248	1,191	1,223	+1.6
Communications equipment	8,688	8,525	8,307	+1.9	+2.6	+0.2	8,802	8,582	8,289	7,389	+19.1
Electronic components	10,147	10,074	9,954	+0.7	+1.2	-0.5	10,350	10,224	9,968	9,793	+5.7
ansportation equipment	63,993	64,998	65,267	-1.5	-0.4	-0.6	64,452	64,810	64,547	70,360	-8.4
Motor vehicles and parts	11,519	11,397	11,511	+1.1	-1.0	+0.3	11,728	10,915	10,954	12,239	-4.2
Aircraft, missiles, space vehicles, and parts	48,070	49,213	49,326	-2.3	-0.2	-1.0	48,335	49,465	49,154	53,641	-9.9
Shipbuilding and tanks	1,765	1,824	1,878	-3.2	-2.9	+3.5	1,784	1,907	1,919	2,100	-15.0
struments and related products	22,548	22,602	22,750	-0.2	-0.7	-0.1	22,838	22,800	22,882	23,883	-4.4
Search and navigation equipment	5,817	5,870	6,007	-0.9	-2.3	-0.9	5,979	5,984	6,043	7,364	-18.8
Measuring and controlling devices	6,608	6,621	6,616	-0.2	+0.1	+0.1	6,661	6,654	6,634	6,688	-0.4
Medical instruments and supplies	6,335	6,335	6,348	0.0	-0.2	0.0	6,348	6,333	6,345	6,296	+0.8
Photographic goods	2,988	2,980	2,993	+0.3	-0.4	+0.5	3,048	3,021	3,048	2,804	+8.7
l other durable goods	22,076	21,915	21,919	+0.7	0.0	+0.4	22,163	21,942	21,968	20,567	+7.8
ondurable goods industries	143,934	143,624	143,812	+0.2	-0.1	0.0	144,045	143,134	142,797	141,776	+1.6
With unfilled orders	33,475	33,309	33,264	+0.5	+0.1	0.0	33,997	33,837	33,579	34,034	-0.1
od and kindred products	29,988	30,162	30,277	-0.6	-0.4	+0.3	30,052	29,305	28,814	30,042	0.0
Meat products	3,213	3,181	3,102	+1.0	+2.5	+0.5	3,171	3,177	3,095	2,778	+14.1
Dairy products	2,762	2,793	2,825	-1.1	-1.1	-2.1	2,878	2,913	2,927	2,923	-1.5
Beverages	5,357	5,327	5,329	+0.6	0.0	-0.3	5,266	5,253	5,311	5,286	-0.4
All other foods, except fats and oils	17,081	17,273	17,530	-1.1	-1.5	+0.6	17,337	16,489	16,061	17,745	-2.3
bacco products	6,708	6,714	6,810	-0.1	-1.4	+1.2	6,487	6,333	6,418	6,585	-1.5
xtile mill products	9,176	9,200	9,239	-0.3	-0.4	-0.7	9,313	9,399	9,339	9,172	+1.5
Broadwoven fabrics and other textiles	5,177	5,210	5,287	-0.6	-1.5	-1.7	5,208	5,288	5,291	5,384	-3.3
per and allied products	13,729	13,596	13,504	+1.0	+0.7	-0.1	13,593	13,538	13,560	13,543	+0.4
Pulp, paper, and paperboard mill products	5,780	5,719	5,651	+1.1	+1.2	+0.6	5,722	5,680	5,661	5,684	+0.7
Paperboard containers and boxes	3,217	3,222	3,242	-0.2	-0.6	+0.1	3,182	3,237	3,240	3,242	-1.9
Miscellaneous converted paper products	4,732	4,655	4,611	+1.7	+1.0	-0.9	4,689	4,621	4,659	4,617	+1.6
emicals and allied products	35,027	34,853	34,913	+0.5	-0.2	-0.4	34,770	34,664	34,709	34,258	+1.5
Industrial chemicals	17,231	17,106	17,096	+0.7	+0.1	-0.7	17,076	17,070	17,041	17,247	-1.0
Drugs, soaps, and toiletries	13,528	13,461	13,465	+0.5	0.0	0.0	13,663	13,551	13,597	13,009	+5.0
troleum and coal products	11,236	11,247	11,389	-0.1	-1.2	-2.0	11,251	11,256	11,448	11,978	-6.1
bber and plastics products	12,208	12,181	12,130	+0.2	+0.4	+0.4	12,011	12,063	12,044	11,222	+7.0
l other nondurable goods	25,862	25,671	25,550	+0.7	+0.5	+0.7	26,568	26,576	26,465	24,976	+6.4

[p] Preliminary. [r] Revised.

Table 5. VALUE OF MANUFACTURERS' SHIPMENTS AND NEW ORDERS FOR TOPICAL SERIES[1]
(Millions of dollars)

Industry	Seasonally adjusted						Not seasonally adjusted [2]						
	Monthly			Percent Change			Monthly				Percent change	Year to date	
	Aug. 1993[p]	July 1993[r]	June 1993	July-Aug.	June-July	May-June	Aug. 1993[p]	July 1993[r]	June 1993	Aug. 1992	Aug. 93/92	1993[p]	1992
SHIPMENTS													
All manufacturing industries	255,511	251,680	258,299	+1.5	-2.6	+1.7	255,590	230,372	278,186	242,876	+5.2	2,022,872	1,916,485
Market categories :													
Automotive equipment	11,116	10,421	11,653	+6.7	-10.6	+1.6	10,886	7,539	12,822	9,982	+9.1	92,590	78,012
Home goods and apparel	17,751	17,352	17,588	+2.3	-1.3	+0.6	19,052	16,317	18,437	16,980	+12.2	136,131	121,123
Consumer staples	56,426	57,667	57,318	-2.2	+0.6	+2.5	56,673	55,068	60,200	54,974	+3.1	447,749	432,308
Machinery and equipment	43,980	41,355	43,926	+6.3	-5.9	+2.2	41,603	35,402	49,839	37,531	+10.8	338,526	309,655
Business supplies	19,281	19,469	19,636	-1.0	-0.9	+0.5	19,234	18,404	20,229	18,817	+2.2	154,081	150,676
Construction materials and supplies	16,303	15,892	16,382	+2.6	-3.0	-0.1	17,210	15,432	18,131	16,217	+6.1	129,892	120,901
Defense products	7,370	7,815	7,870	-5.7	-0.7	+4.2	7,120	7,034	8,334	7,669	-7.2	59,310	62,942
Other materials, supplies and and intermediate products	83,284	81,709	83,926	+1.9	-2.6	+1.5	83,812	75,176	90,194	80,706	+3.8	664,593	640,868
Durable goods industries :													
Nondefense capital goods [3]	33,745	31,723	33,390	+6.4	-5.0	+2.1	31,733	27,823	38,768	28,810	+10.1	255,419	240,270
Excluding aircraft and parts	27,694	27,447	27,312	+0.9	+0.5	+0.8	26,198	24,162	31,576	23,567	+11.2	212,138	191,651
Defense capital goods [4]	7,082	7,594	7,594	-6.7	0.0	+2.8	6,740	6,728	8,069	7,430	-9.3	57,130	61,654
Durables excluding capital goods	93,065	89,940	94,058	+3.5	-4.4	+2.0	93,349	78,233	101,925	86,667	+7.7	740,197	677,656
Miscellaneous series :													
Producers' durable equipment	85,255	80,951	85,476	+5.3	-5.3	+1.7	82,257	67,794	95,388	74,902	+9.8	666,802	606,324
Household durable goods	7,437	7,435	7,404	0.0	+0.4	+2.7	7,608	6,510	7,653	7,122	+6.8	56,733	52,866
Information technology industries	15,634	15,251	14,878	+2.5	+2.5	+1.2	14,654	12,938	17,852	12,736	+15.1	114,087	104,277
Health care equipment and products	8,183	8,126	8,352	+0.7	-2.7	+7.0	8,085	7,600	8,901	7,732	+4.6	64,070	61,741
NEW ORDERS													
All manufacturing industries	252,811	250,566	255,462	+0.9	-1.9	+2.9	251,743	230,096	272,580	236,726	+6.3	2,005,907	1,894,844
Market categories :													
Automotive equipment	11,090	10,475	11,677	+5.9	-10.3	+1.3	10,857	7,641	12,783	9,959	+9.0	92,735	78,018
Home goods and apparel	17,654	17,425	17,709	+1.3	-1.6	+2.0	18,989	16,715	18,571	16,943	+12.1	138,708	122,996
Consumer staples	56,431	57,639	57,294	-2.1	+0.6	+2.3	56,698	55,089	60,250	54,996	+3.1	447,778	432,358
Machinery and equipment	42,418	40,228	44,534	+5.4	-9.7	+9.6	40,021	34,156	49,946	34,827	+14.9	326,526	301,580
Business supplies	19,325	19,314	19,541	+0.1	-1.2	+0.2	19,332	18,292	20,155	18,812	+2.8	153,956	150,821
Construction materials and supplies	16,305	15,919	16,014	+2.4	-0.6	-2.7	17,196	15,562	17,703	16,124	+6.6	130,432	121,108
Defense products	7,511	7,442	6,127	+0.9	+21.5	+8.5	6,501	6,247	5,813	5,328	+22.0	51,342	49,084
Other materials, supplies and and intermediate products	82,077	82,124	82,566	-0.1	-0.5	+1.7	82,149	76,394	87,359	79,737	+3.0	664,430	638,879
Durable goods industries :													
Nondefense capital goods [3]	31,859	30,093	33,850	+5.9	-11.1	+13.1	30,136	26,087	38,698	25,856	+16.6	241,227	230,741
Excluding aircraft and parts	27,927	27,601	27,577	+1.2	+0.1	+3.1	26,720	24,210	31,311	22,855	+16.9	213,778	190,001
Defense capital goods [4]	7,170	7,231	5,788	-0.8	+24.9	+6.5	5,993	5,974	5,440	4,785	+25.2	49,033	47,112
Durables excluding capital goods	92,421	91,196	92,614	+1.3	-1.5	+1.3	91,964	80,542	99,013	86,123	+6.8	744,572	679,052
Miscellaneous series :													
Producers' durable equipment	84,310	80,708	86,373	+4.5	-6.6	+5.7	81,420	68,154	95,086	72,072	+13.0	659,441	598,065
Household durable goods	7,534	7,554	7,386	-0.3	+2.3	+3.3	7,716	6,858	7,510	7,029	+9.8	58,275	53,994
Information technology industries	15,182	15,085	14,984	+0.6	+0.7	+1.2	14,289	12,720	17,871	12,621	+13.2	114,339	102,625
Health care equipment and products	8,022	8,182	8,094	-2.0	+1.1	+2.1	7,924	7,657	8,643	8,227	-3.7	63,576	61,688

[p] Preliminary. [r] Revised.

[1] Topical series are regroupings of the separate industry categories.

[2] Shipments and new orders are the totals for the period and are adjusted for trading-day and calendar-month variations.

[3] Nondefense capital goods industries include : ordnance and accessories; steam, gas and hydraulic turbines; internal combustion engines; construction, mining, and mat handling equipment; metalworking machinery; special industry machinery; general industrial machinery; computer and office equipment; refrigeration, heating and se industry machinery; electrical transmission and distribution equipment; electrical industrial apparatus; communications equipment; aircraft, missiles, space vehicles, and en and parts; ships and tank components; railroad equipment; and search and navigation equipment.

[4] Defense capital goods industries include : ordnance and accessories; communications equipment; aircraft, missiles, space vehicles, and engines and parts; ships, t and tank components; and search and navigation equipment.

Table 6. VALUE OF MANUFACTURERS' UNFILLED ORDERS AND TOTAL INVENTORIES FOR TOPICAL SERIES[1]
(Millions of dollars)

Industry	Seasonally adjusted						Not seasonally adjusted				
	Monthly			Percent Change			Monthly				Percent change
	Aug. 1993[p]	July 1993[r]	June 1993	July-Aug.	June-July	May-June	Aug. 1993[p]	July 1993[r]	June 1993	Aug. 1992	Aug. 93/92
UNFILLED ORDERS											
All manufacturing industries	455,495	458,195	459,309	-0.6	-0.2	-0.6	455,221	459,068	459,344	486,126	-6.4
arket categories :											
Automotive equipment	1,722	1,748	1,695	-1.5	+3.1	+1.4	1,730	1,759	1,657	1,676	+3.2
Home goods and apparel	10,360	10,458	10,385	-0.9	+0.7	+1.2	11,168	11,230	10,833	10,109	+10.5
Consumer staples	1,432	1,427	1,456	+0.4	-2.0	-1.6	1,468	1,443	1,422	1,390	+5.6
Machinery and equipment	185,634	187,195	188,322	-0.8	-0.6	+0.3	185,505	187,087	188,333	206,311	-10.1
Business supplies	5,445	5,401	5,556	+0.8	-2.8	-1.7	5,563	5,465	5,577	5,978	-6.9
Construction materials and supplies	14,689	14,688	14,661	0.0	+0.2	-2.4	14,867	14,881	14,751	14,479	+2.7
Defense products	117,257	117,116	117,489	+0.1	-0.3	-1.5	115,368	115,987	116,774	123,635	-6.7
Other materials, supplies and and intermediate products	118,956	120,162	119,745	-1.0	+0.3	-1.1	119,552	121,216	119,997	122,548	-2.4
urable goods industries :											
Nondefense capital goods [3]	203,122	205,008	206,638	-0.9	-0.8	+0.2	202,992	204,589	206,325	226,203	-10.3
Excluding aircraft and parts	72,030	71,797	71,643	+0.3	+0.2	+0.4	71,900	71,378	71,330	71,253	+0.9
Defense capital goods [4]	123,520	123,432	123,795	+0.1	-0.3	-1.4	121,683	122,430	123,184	130,907	-7.0
Durables excluding capital goods	106,550	107,194	105,938	-0.6	+1.2	-1.3	107,536	108,921	106,612	105,605	+1.8
iscellaneous series :											
Producers' durable equipment	210,600	211,545	211,788	-0.4	-0.1	+0.4	211,013	211,850	211,490	228,367	-7.6
Household durable goods	5,527	5,430	5,311	+1.8	+2.2	-0.3	5,968	5,860	5,512	5,534	+7.8
Information technology industries	31,179	31,631	31,797	-1.4	-0.5	+0.3	31,368	31,733	31,951	31,116	+0.8
Health care equipment and products	7,956	8,117	8,061	-2.0	+0.7	-3.1	7,957	8,118	8,062	8,204	-3.0
TOTAL INVENTORIES											
All manufacturing industries	381,418	381,561	381,326	0.0	+0.1	-0.1	383,492	381,635	379,758	387,101	-0.9
arket categories :											
Automotive equipment	6,195	6,120	6,206	+1.2	-1.4	0.0	6,198	5,877	5,999	6,231	-0.5
Home goods and apparel	30,634	30,408	30,176	+0.7	+0.8	+0.6	31,062	31,230	31,298	28,550	+8.8
Consumer staples	59,095	59,197	59,557	-0.2	-0.6	-0.1	59,237	58,236	58,103	59,105	+0.2
Machinery and equipment	88,135	88,579	88,398	-0.5	+0.2	0.0	88,622	88,581	87,654	89,730	-1.2
Business supplies	21,501	21,462	21,520	+0.2	-0.3	-0.7	21,815	21,603	21,507	22,411	-2.7
Construction materials and supplies	23,501	23,431	23,415	+0.3	+0.1	+0.5	23,527	23,556	23,630	22,798	+3.2
Defense products	26,519	26,591	26,886	-0.3	-1.1	-1.1	27,009	26,928	27,119	30,493	-11.4
Other materials, supplies and and intermediate products	125,838	125,773	125,168	+0.1	+0.5	-0.1	126,022	125,624	124,448	127,783	-1.4
urable goods industries :											
Nondefense capital goods [3]	82,873	83,700	83,217	-1.0	+0.6	+0.1	83,532	84,079	82,469	85,460	-2.3
Excluding aircraft and parts	56,005	55,651	55,284	+0.6	+0.7	+0.7	56,836	56,047	55,049	56,287	+1.0
Defense capital goods [4]	28,053	28,120	28,445	-0.2	-1.1	-0.8	28,618	28,489	28,776	32,702	-12.5
Durables excluding capital goods	126,558	126,117	125,852	+0.3	+0.2	0.0	127,297	125,933	125,716	127,163	+0.1
iscellaneous series :											
Producers' durable equipment	142,387	142,240	142,308	+0.1	0.0	0.0	143,388	142,171	141,590	145,139	-1.2
Household durable goods	13,568	13,499	13,384	+0.5	+0.9	+0.2	13,797	13,754	13,697	13,169	+4.8
Information technology industries	29,889	29,737	29,340	+0.5	+1.4	+1.0	30,571	30,107	29,017	29,089	+5.1
Health care equipment and products	13,678	13,642	13,657	+0.3	-0.1	0.0	13,760	13,687	13,723	13,355	+3.0

See footnotes at end of table 5.

Table 7. VALUE OF MANUFACTURERS' INVENTORIES, BY STAGE OF FABRICATION, BY INDUSTRY GROUP
(Millions of dollars)

Industry	Seasonally adjusted						Not seasonally adjusted				
	Monthly			Percent Change			Monthly				Percent change
	Aug. 1993[p]	July 1993[r]	June 1993	July-Aug.	June-July	May-June	Aug. 1993[p]	July 1993[r]	June 1993	Aug. 1992	Aug. 93/92
MATERIALS AND SUPPLIES											
All manufacturing industries	121,153	121,004	121,218	+0.1	-0.2	-0.1	121,342	120,669	120,138	121,890	-0.4
Durable goods industries	68,548	68,357	68,163	+0.3	+0.3	-0.3	69,193	68,216	67,478	69,901	-1.0
Stone, clay, and glass products	2,497	2,505	2,521	-0.3	-0.6	+1.0	2,520	2,523	2,518	2,517	+0.1
Primary metals	6,185	6,228	6,237	-0.7	-0.1	+0.8	6,224	6,216	6,119	6,261	-0.6
Fabricated metal products	7,666	7,646	7,700	+0.3	-0.7	+1.4	7,747	7,676	7,707	8,294	-6.6
Industrial machinery and equipment	14,252	14,267	14,423	-0.1	-1.1	-1.3	14,357	14,258	14,252	13,755	+4.4
Electronic and other electrical equipment	10,555	10,517	10,449	+0.4	+0.7	+0.8	10,663	10,599	10,352	10,363	+2.9
Transportation equipment	11,799	11,757	11,606	+0.4	+1.3	-3.7	11,978	11,533	11,481	13,637	-12.2
Instruments and related products	6,810	6,822	6,761	-0.2	+0.9	-1.0	6,847	6,841	6,800	7,011	-2.3
Lumber, furniture and miscellaneous durable goods	8,784	8,615	8,466	+2.0	+1.8	+2.4	8,857	8,570	8,249	8,063	+9.8
Nondurable goods industries	52,605	52,647	53,055	-0.1	-0.8	+0.2	52,149	52,453	52,660	51,989	+0.3
Food and kindred products	10,075	10,122	10,292	-0.5	-1.7	+2.0	9,728	9,913	10,088	9,793	-0.7
Tobacco products	5,324	5,302	5,318	+0.4	-0.3	+0.4	5,102	5,001	5,056	4,970	+2.7
Textile mill products	2,604	2,604	2,622	0.0	-0.7	-0.6	2,630	2,685	2,659	2,683	-2.0
Paper and allied products	6,779	6,781	6,752	0.0	+0.4	+0.4	6,711	6,763	6,737	6,762	-0.8
Chemicals and allied products	11,419	11,450	11,526	-0.3	-0.7	-1.8	11,450	11,529	11,565	11,546	-0.8
Petroleum and coal products	3,166	3,136	3,223	+1.0	-2.7	-1.9	3,191	3,136	3,248	3,402	-6.2
Rubber and plastics products	4,405	4,439	4,424	-0.8	+0.3	-0.6	4,338	4,420	4,338	4,319	+0.4
Apparel, printing and publishing and leather goods	8,833	8,813	8,898	+0.2	-1.0	+1.8	8,999	9,006	8,969	8,514	+5.7
WORK IN PROCESS											
All manufacturing industries	129,621	129,747	129,403	-0.1	+0.3	+0.3	130,885	130,264	128,931	133,459	-1.9
Durable goods industries	106,340	106,545	106,306	-0.2	+0.2	+0.2	107,487	107,033	106,123	110,566	-2.8
Stone, clay, and glass products	1,138	1,130	1,130	+0.7	0.0	+0.6	1,139	1,138	1,135	1,163	-2.1
Primary metals	7,049	6,932	6,841	+1.7	+1.3	-1.0	7,192	6,994	6,903	7,530	-4.5
Fabricated metal products	7,627	7,596	7,586	+0.4	+0.1	-0.9	7,677	7,596	7,563	7,884	-2.6
Industrial machinery and equipment	18,344	18,079	17,471	+1.5	+3.5	+1.8	18,552	18,067	17,333	18,421	+0.7
Electronic and other electrical equipment	14,055	13,967	13,742	+0.6	+1.6	-0.5	14,242	14,047	13,765	12,906	+10.4
Transportation equipment	43,823	44,535	44,989	-1.6	-1.0	+0.1	44,051	44,711	44,773	47,533	-7.3
Instruments and related products	9,674	9,752	9,951	-0.8	-2.0	+1.0	9,930	9,896	9,997	10,949	-9.3
Lumber, furniture and miscellaneous durable goods	4,630	4,554	4,596	+1.7	-0.9	+0.1	4,704	4,584	4,654	4,180	+12.5
Nondurable goods industries	23,281	23,202	23,097	+0.3	+0.5	+0.5	23,398	23,231	22,808	22,893	+2.2
Food and kindred products	3,760	3,765	3,755	-0.1	+0.3	+1.7	3,518	3,552	3,519	3,467	+1.5
Tobacco products	178	181	188	-1.7	-3.7	+5.0	144	134	139	79	+82.3
Textile mill products	2,448	2,459	2,452	-0.4	+0.3	-0.4	2,494	2,503	2,460	2,469	+1.0
Paper and allied products	1,234	1,216	1,221	+1.5	-0.4	-0.2	1,247	1,246	1,249	1,232	+1.2
Chemicals and allied products	5,766	5,777	5,666	-0.2	+2.0	+2.5	5,822	5,811	5,629	5,460	+6.6
Petroleum and coal products	2,607	2,621	2,600	-0.5	+0.8	-3.5	2,625	2,640	2,618	2,893	-9.3
Rubber and plastics products	1,724	1,704	1,743	+1.2	-2.2	+2.5	1,729	1,673	1,692	1,603	+7.9
Apparel, printing and publishing and leather goods	5,564	5,479	5,472	+1.6	+0.1	-0.7	5,819	5,672	5,502	5,690	+2.3
FINISHED GOODS											
All manufacturing industries	130,644	130,810	130,705	-0.1	+0.1	-0.4	131,265	130,702	130,689	131,752	-0.4
Durable goods industries	62,596	63,035	63,045	-0.7	0.0	-0.4	62,767	63,252	63,360	64,858	-3.2
Stone, clay, and glass products	3,992	4,057	4,036	-1.6	+0.5	-1.7	3,922	4,067	4,064	4,176	-6.1
Primary metals	6,146	6,145	6,073	0.0	+1.2	-0.5	6,135	6,108	6,037	6,252	-1.9
Fabricated metal products	7,893	7,888	7,740	+0.1	+1.9	-1.8	7,779	7,919	7,997	7,774	+0.1
Industrial machinery and equipment	12,856	12,936	13,209	-0.6	-2.1	+1.4	13,067	12,992	13,039	14,500	-9.9
Electronic and other electrical equipment	8,612	8,529	8,420	+1.0	+1.3	-0.3	8,778	8,749	8,780	8,719	+0.7
Transportation equipment	8,371	8,706	8,672	-3.8	+0.4	+0.1	8,423	8,566	8,293	9,190	-8.3
Instruments and related products	6,064	6,028	6,038	+0.6	-0.2	-0.9	6,061	6,063	6,085	5,923	+2.3
Lumber, furniture and miscellaneous durable goods	8,662	8,746	8,857	-1.0	-1.3	-1.3	8,602	8,788	9,065	8,324	+3.3
Nondurable goods industries	68,048	67,775	67,660	+0.4	+0.2	-0.4	68,498	67,450	67,329	66,894	+2.4
Food and kindred products	16,153	16,275	16,230	-0.7	+0.3	-1.0	16,806	15,840	15,207	16,782	+0.1
Tobacco products	1,206	1,231	1,304	-2.0	-5.6	+3.8	1,241	1,198	1,223	1,536	-19.2
Textile mill products	4,124	4,137	4,165	-0.3	-0.7	-1.0	4,189	4,211	4,220	4,020	+4.2
Paper and allied products	5,716	5,599	5,531	+2.1	+1.2	-0.6	5,635	5,529	5,574	5,549	+1.5
Chemicals and allied products	17,842	17,626	17,721	+1.2	-0.5	-0.3	17,498	17,324	17,515	17,252	+1.4
Petroleum and coal products	5,463	5,490	5,566	-0.5	-1.4	-1.3	5,435	5,480	5,582	5,683	-4.4
Rubber and plastics products	6,079	6,038	5,963	+0.7	+1.3	+0.5	5,944	5,970	6,014	5,300	+12.2
Apparel, printing and publishing and leather goods	11,465	11,379	11,180	+0.8	+1.8	+0.6	11,750	11,898	11,994	10,772	+9.1

[p] Preliminary. [r] Revised.

Table 8. RATIOS OF MANUFACTURES' INVENTORIES TO SHIPMENTS AND UNFILLED ORDERS TO SHIPMENTS, BY INDUSTRY GROUP
(Based on seasonally adjusted data)

Industry	Inventory / Shipments ratio				Unfilled Orders / Shipments ratio[1]			
	Aug. 1993[p]	July 1993[r]	June 1993	May 1993	Aug. 1993[p]	July 1993[r]	June 1993	May 1993
All manufacturing industries	1.49	1.52	1.48	1.50	3.32	3.41	3.33	3.42
Durable goods industries	1.77	1.84	1.76	1.80	4.01	4.17	4.02	4.15
Stone, clay, and glass products	1.33	1.35	1.33	1.35	1.38	1.38	1.34	1.41
Primary metals	1.72	1.73	1.65	1.72	1.95	2.01	1.95	2.07
Fabricated metal products	1.65	1.67	1.62	1.64	1.66	1.70	1.65	1.71
Industrial machinery and equipment	1.91	1.93	1.94	1.93	2.28	2.30	2.32	2.33
Electronic and other electrical equipment	1.70	1.72	1.67	1.73	2.23	2.27	2.18	2.24
Transportation equipment	1.89	2.11	1.84	1.92	12.31	13.99	12.18	12.84
Instruments and related products	2.08	2.12	2.10	2.16	4.95	5.05	4.98	5.21
Nondurable goods industries	1.18	1.17	1.17	1.18	0.76	0.76	0.78	0.78
Food and kindred products	0.86	0.88	0.88	0.90	(X)	(X)	(X)	(X)
Tobacco products	3.31	2.05	2.45	2.61	(X)	(X)	(X)	(X)
Textile mill products	1.56	1.56	1.58	1.59	(NA)	(NA)	(NA)	(NA)
Paper and allied products	1.29	1.27	1.26	1.24	(NA)	(NA)	(NA)	(NA)
Chemicals and allied products	1.36	1.34	1.31	1.36	(X)	(X)	(X)	(X)
Petroleum and coal products	0.94	0.92	0.90	0.89	(X)	(X)	(X)	(X)
Rubber and plastics products	1.42	1.48	1.41	1.40	(X)	(X)	(X)	(X)

[p] Preliminary. [r] Revised. (X) Not applicable. (NA) Not available.

[1] Excludes the following industries with no unfilled orders : Wood and lumber products; glass containers; metal cans, barrels and drums; farm and garden machinery; motor vehicle assembly operations; other transportation equipment; foods and related products; tobacco; knitting mill products; apparel and related products; chemicals; petroleum and coal products; and rubber and plastics products.

Table 9. REVISIONS TO PREVIOUSLY PUBLISHED MONTHLY PERCENT CHANGES
(Based on seasonally adjusted data)

Industry	Shipments			New orders			Unfilled orders			Inventories		
	Aug.[1] 1993	Aug.[2] 1988-1992	Aug. 1992-July 1993	Aug.[1] 1993	Aug.[2] 1988-1992	Aug. 1992-July 1993	Aug.[1] 1993	Aug.[2] 1988-1992	Aug. 1992-July 1993	Aug.[1] 1993	Aug.[2] 1988-1992	Aug. 1992-July 1993
All manufacturing industries	(X)	0.2	0.2	(X)	0.2	0.2	(X)	0.1	0.1	(X)	0.0	0.1
Durable goods industries	0.0	0.2	0.3	0.3	0.3	0.3	0.0	0.1	0.1	(X)	0.0	0.1
Stone, clay, and glass products	(X)	0.3	0.4	(X)	0.5	0.8	(X)	0.3	0.4	(X)	0.2	0.1
Primary metals	-0.6	0.2	0.3	-0.7	0.4	0.9	-0.1	0.2	0.3	(X)	0.1	0.1
Fabricated metal products	(X)	0.2	0.2	(X)	0.5	0.7	(X)	0.3	0.4	(X)	0.0	0.2
Industrial machinery and equipment	0.0	0.3	0.5	-0.8	0.6	0.5	-0.5	0.2	0.1	(X)	0.1	0.1
Electronic and other electrical equipment	-0.1	0.3	0.4	-0.1	0.5	0.5	-0.1	0.1	0.1	(X)	0.0	0.1
Transportation equipment	-0.2	0.9	0.7	-0.1	0.8	1.1	0.1	0.1	0.1	(X)	0.1	0.1
Instruments and related products	(X)	0.7	0.4	(X)	0.8	1.0	(X)	0.1	0.1	(X)	0.1	0.2
Nondurable goods industries	(X)	0.2	0.1	(X)	0.2	0.1	(X)	0.3	0.3	(X)	0.0	0.1
Food and kindred products	(X)	0.2	0.1	(X)	(X)	(X)	(X)	(X)	(X)	(X)	0.2	0.1
Tobacco products	(X)	0.2	0.3	(X)	(X)	(X)	(X)	(X)	(X)	(X)	0.2	0.1
Textile mill products	(X)	0.9	0.3	(X)	(NA)	(NA)	(X)	(NA)	(NA)	(X)	0.2	0.1
Paper and allied products	(X)	0.1	0.3	(X)	(NA)	(NA)	(X)	(NA)	(NA)	(X)	0.1	0.1
Chemicals and allied products	(X)	0.7	0.2	(X)	(X)	(X)	(X)	(X)	(X)	(X)	0.1	0.1
Petroleum and coal products	(X)	0.3	0.3	(X)	(X)	(X)	(X)	(X)	(X)	(X)	0.3	0.2
Rubber and plastics products	(X)	0.2	0.2	(X)	(X)	(X)	(X)	(X)	(X)	(X)	0.1	0.2
Capital goods industries :												
Nondefense	0.1	0.6	0.5	-0.4	0.6	0.7	-0.1	0.2	0.1	(X)	0.1	0.1
Defense	-0.4	0.7	0.6	8.0	1.4	1.4	0.5	0.1	0.1	(X)	0.0	0.1

(X) Not applicable. (NA) Not available.

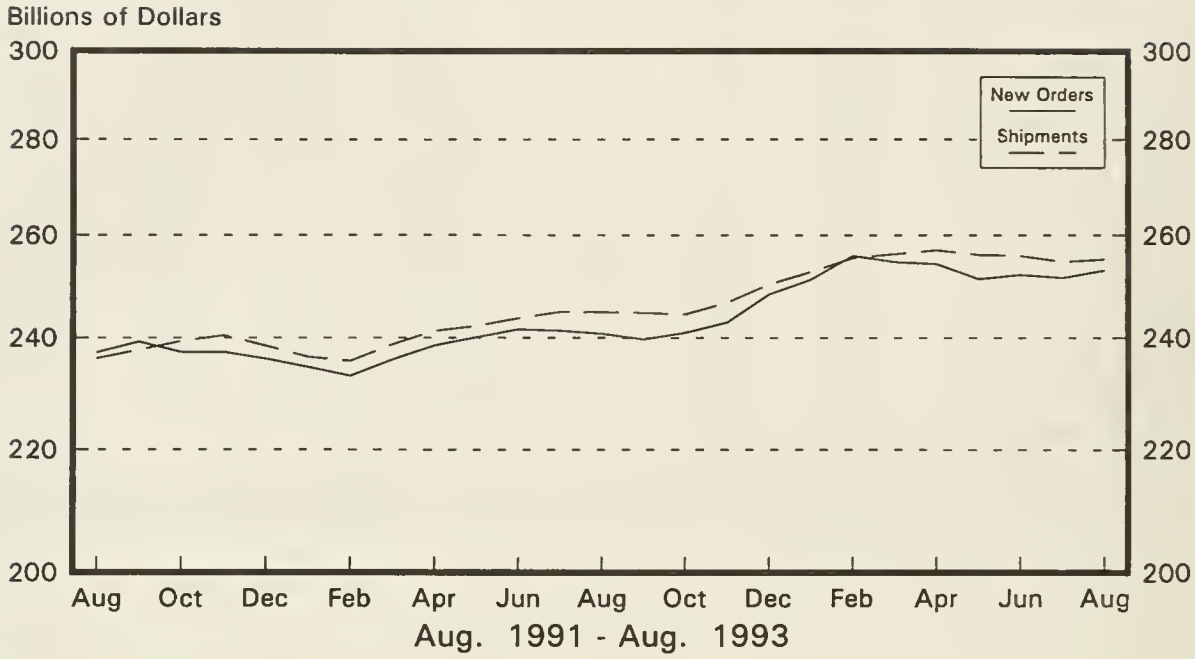
Note : The five year and the twelve month revisions are the differences between the month-to-month percent changes of the preliminary and final estimates. The monthly averages are the simple averages of the absolute values of the differences for the months specified. The advance to final percent change revisions for the durable goods industries are shown in the advance report for the month.

[1] The current month revisions are the difference between the advance precent change and the percent change as shown in this publication.

[2] Average for this month for the last five years.

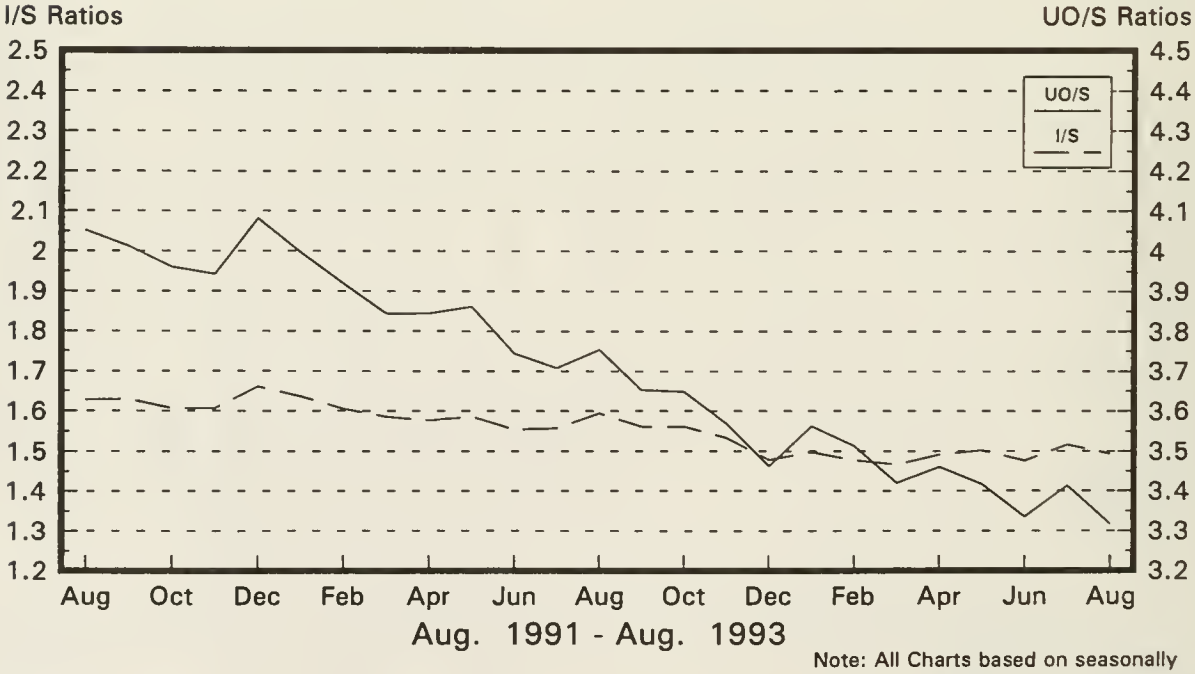
Total Manufacturing

New Orders and Shipments
Three Month Moving Averages



Total Manufacturing

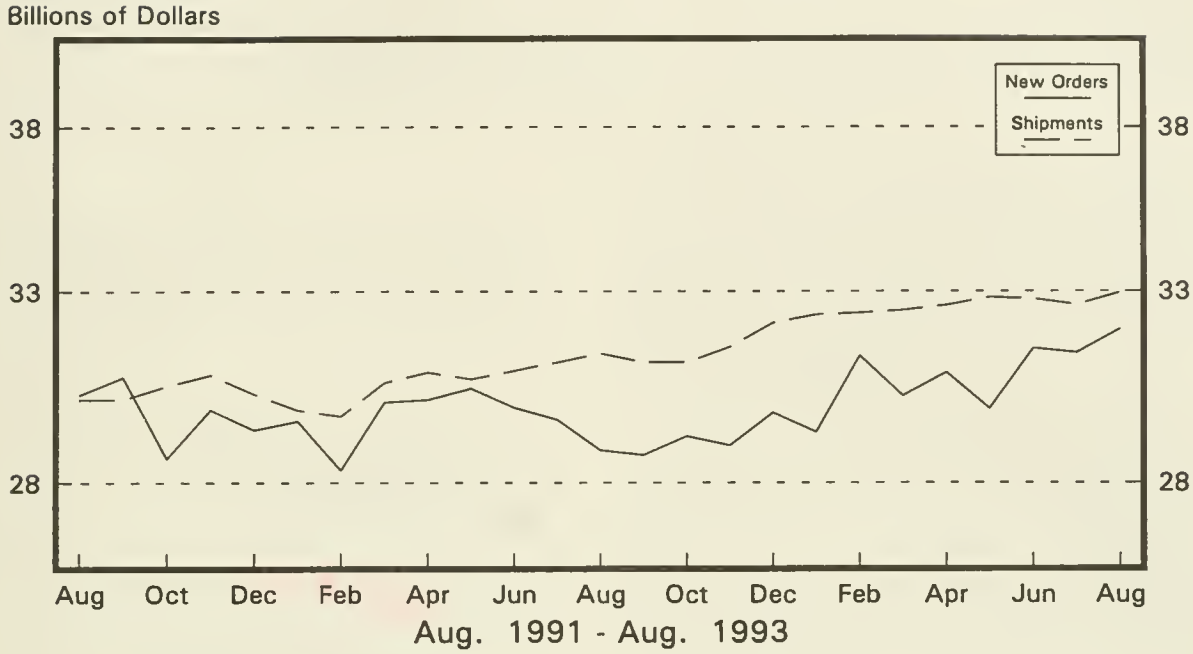
Ratio of Unfilled Orders and
Inventories to Shipments



Note: All Charts based on seasonally adjusted current dollars.

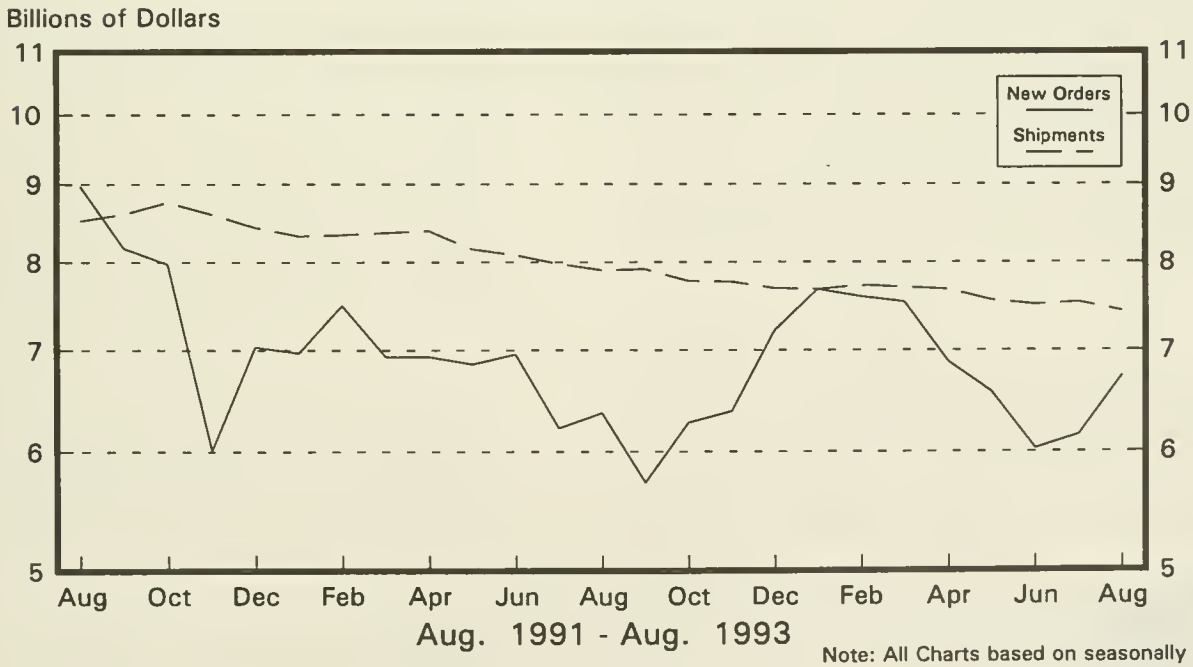
Nondefense Capital Goods

New Orders and Shipments
Three Month Moving Averages



Defense Capital Goods

New Orders and Shipments
Three Month Moving Averages



Note: All Charts based on seasonally adjusted current dollars.

U.S. Department of Commerce
BUREAU OF THE CENSUS
Washington, D.C. 20233

Official Business
Penalty for Private Use, $300

U.S.MAIL

POSTAGE AND FEES PAID
U.S. DEPARTMENT OF COMMERCE
COM-202

First Class Mai

JAN 19 1994

3. 158: M 3-1-(93)-9

ent Industrial Reports, Manufac...

Manufacturers' Shipments, Inventories, and Orders

DEC 17 1993

U. S. Department of Commerce
Economics and Statistics Administration
BUREAU OF THE CENSUS

September 1993
M3-1-(93)-9
For Wire Transmissions 10:00 a.m. E.S.T. November 4, 1993

Steve Andrews or Kathy Menth
(301)763-2502 or (301)763-2575

Note: All figures in text are in seasonally adjusted current dollars

Summary

New orders for manufactured goods in September increased $1.8 billion or 0.7 percent to $255.2 billion, the Department of Commerce, Bureau of the Census reported today. This follows a 1.2 percent increase in August and is the third increase in the last four months. Year-to-date new orders for 1993 totaled $2,279.3 billion, 5.9 percent above the same period last year.

Shipments increased $3.7 billion or 1.4 percent to $260.2 billion, the highest level on record. This follows a 1.9 percent increase in August and is the third increase in the last four months. Year-to-date shipments for 1993 totaled $2,304.5 billion, 5.6 percent above the same period last year.

Unfilled orders decreased $5.0 billion or 1.1 percent to $450.1 billion, the lowest level since June 1988. This is the seventh consecutive monthly decline and the twenty-second in the last twenty-five months. The unfilled orders-to-shipments ratio decreased from 3.30 in August to 3.21 in September, the lowest since October 1977.

Inventories decreased $1.1 billion or 0.3 percent to $380.3 billion, the third decline in the last four months. The inventories-to-shipments ratio decreased from 1.49 in August to 1.46 in September, the lowest on record.

New Orders

New orders for durable goods in September increased $1.0 billion or 0.7 percent to $132.7 billion, following a 2.5 percent increase in August. This is the third increase in the last four months. All major groups except transportation equipment and instruments and related products had increases. The largest increase was in electronic and other electrical equipment, up $0.5 billion or 2.6 percent to $20.4 billion, primarily due to communications equipment. Industrial machinery and equipment increased $0.4 billion or 1.7 percent to $24.5 billion. The largest decline was in transportation equipment, down $0.5 billion or 1.6 percent to $30.9 billion, as a decline in aircraft and parts more than offset increases in motor vehicles and parts and shipbuilding and tanks. Instruments and related products decreased $0.4 billion or 3.7 percent to $10.2 billion.

New orders for nondurable goods increased $0.8 billion or 0.7 percent to $122.5 billion, as increases, led by tobacco products and chemical and allied products, more than offset declines in petroleum and coal products, food and kindred products, and textile mill products. This follows a 0.3 percent decrease in August and is the first increase in the last three months.

Shipments

Shipments of durable goods in September increased $2.9 billion or 2.2 percent to $137.5 billion, the highest level on record. This follows a 4.1 percent increase in August and is the third increase in the last four months. All major groups increased. Transportation equipment had the largest increase, up $1.0 billion or 2.9 percent to $35.1 billion, as increases in motor vehicles and parts and railroad equipment more than offset a decline in aircraft and parts. This follows a 10.6 percent increase in August. Industrial machinery and equipment increased $0.6 billion or 2.4 percent to $24.5 billion.

Shipments of nondurable goods increased $0.7 billion or 0.6 percent to $122.8 billion, following a 0.3 percent decrease in August. This is the first increase in the last three months. The largest increase was in tobacco products, up $0.6 billion or 29.2 percent to $2.7 billion, following a 36.9 percent decrease in August. Chemicals and allied products increased $0.3 billion or 1.1 percent to $26.0 billion. The largest decreases were in petroleum and coal products, down $0.3 billion or 2.3 percent to $11.6 billion, and food and kindred products, down $0.3 billion or 0.7 percent to $35.2 billion.

Unfilled Orders

Unfilled orders for durable goods in September decreased $4.7 billion or 1.1 percent to $428.1 billion, the lowest level since June 1988. This is the seventh consecutive monthly decline and twenty-sixth in the last thirty-one months. Transportation equipment, down for the seventeenth consecutive month, had the largest decrease, down $4.2 billion or 1.9 percent to $221.8 billion, as a decrease in aircraft and parts more than offset an increase in shipbuilding and tanks. This is the lowest level since February 1989. Instruments and related products declined $0.7 billion or 1.4 percent to $52.8 billion. Electronic and other electrical equipment had the largest increase, up $0.5 billion or 1.1 percent to $44.4 billion, as an increase in communications equipment more than offset a decline in electronic components. Unfilled orders for nondurable goods decreased $0.3 billion or 1.2 percent to $22.0 billion, the fifth consecutive monthly decline.

Inventories

Inventories for durable goods in September decreased $0.7 billion or 0.3 percent to $237.0 billion, the third decline in the last four months. All major groups except lumber and wood products and furniture and fixtures declined. Nondurable goods inventories decreased $0.5 billion or 0.3 percent to $143.2 billion, primarily due to petroleum and coal products and food and kindred products. This is the third decline in the last four months.

By stage of fabrication, finished goods decreased 0.6 percent in durables and 0.5 percent in nondurables. Work in process was up 0.2 percent in durables and 0.1 percent in nondurables. Materials and supplies declined 0.7 percent in durables and 0.3 percent in nondurables.

he advance report on durable goods for October is scheduled for November 24, 1993 at 8:30 a.m. and the full report on December 3, 1993 at 10:00 a.m. For le by the Superintendent of Documents, U.S. Government Printing Office, Washington, DC 20402. This report is also available the day of issue through the epartment of Commerce's online Economic Bulletin Board (N-8-1) (202-482-3870) and through the Census Bureau's online information service-CENDATA. ENDATA is available from Dialog Information Services, Inc. (1-800-334-2564) and CompuServe (1-800-848-8199). The CENDATA staff at the Bureau of e Census (301-763-2074) can provide content information and general guidance.

Table I. VALUE OF MANUFACTURERS' SHIPMENTS FOR INDUSTRY GROUPS
(Millions of dollars)

Industry	Seasonally adjusted						Not seasonally adjusted[1]						
	Monthly			Percent Change			Monthly				Percent change	Year to date	
	Sept. 1993[p]	Aug. 1993[r]	July 1993	Aug.-Sept.	July-Aug.	June-July	Sept. 1993[p]	Aug. 1993[r]	July 1993	Sept. 1992	Sept. 93/92	1993[p]	199
All manufacturing industries	260,230	256,556	251,680	+1.4	+1.9	-2.6	278,098	256,056	230,372	262,786	+5.8	2,301,436	2,179,2
Manufacturing Industries													
with unfilled orders	140,072	137,856	134,269	+1.6	+2.7	-2.5	151,175	136,292	121,013	141,707	+6.7	1,221,201	1,166,8
without defense capital goods	252,838	249,450	244,086	+1.4	+2.2	-2.6	270,037	249,304	223,644	254,104	+6.3	2,236,233	2,108,9
Durable goods industries	137,451	134,521	129,257	+2.2	+4.1	-4.3	147,375	131,934	112,784	134,635	+9.5	1,200,233	1,114,2
With unfilled orders	110,315	108,447	104,574	+1.7	+3.7	-3.6	119,665	106,234	92,819	111,036	+7.8	957,482	907,8
Stone, clay, and glass products	6,181	5,798	5,700	+6.6	+1.7	-1.1	6,920	6,247	5,622	6,380	+8.5	52,208	49,7
Primary metals	11,559	11,318	11,127	+2.1	+1.7	-4.3	12,019	11,452	10,261	11,648	+3.2	103,700	102,9
Blast furnaces, steel mills	5,310	5,320	5,215	-0.2	+2.0	-0.6	5,432	5,357	4,805	4,924	+10.3	47,355	43,9
Iron and steel foundries	1,045	1,029	898	+1.6	+14.6	-10.8	1,102	1,055	740	1,065	+3.5	9,282	9,1
Nonferrous and other primary metals	5,204	4,969	5,014	+4.7	-0.9	-6.7	5,485	5,040	4,716	5,659	-3.1	47,063	49,8
Fabricated metal products	14,310	14,131	13,811	+1.3	+2.3	-3.1	15,192	14,195	12,521	14,257	+6.6	126,571	119,4
Industrial machinery and equipment	24,459	23,886	23,482	+2.4	+1.7	+1.3	26,583	22,040	20,412	23,052	+15.3	209,991	187,0
Engines and turbines	1,528	1,544	1,516	-1.0	+1.8	-5.8	1,730	1,376	1,126	1,688	+2.5	13,275	12,0
Farm and garden machinery	1,488	1,477	1,456	+0.7	+1.4	-2.2	1,312	1,093	1,089	1,019	+28.8	13,674	11,5
Construction, mining and material handling equipment	2,457	2,393	2,363	+2.7	+1.3	-2.5	2,506	2,298	2,189	2,247	+11.5	22,152	18,7
Metalworking machinery	2,533	2,504	2,521	+1.2	-0.7	+2.4	2,776	2,352	2,112	2,790	-0.5	22,437	20,8
Computer and office equipment	6,633	6,567	6,461	+1.0	+1.6	+7.4	8,311	5,869	5,131	6,916	+20.2	54,804	47,4
Electronic and other electrical equipment	19,863	19,654	19,228	+1.1	+2.2	-1.5	21,998	19,426	17,219	19,693	+11.7	169,196	152,8
Electrical transmission and distribution equipment and industrial apparatus	2,391	2,415	2,374	-1.0	+1.7	+0.6	2,683	2,358	2,112	2,625	+2.2	21,527	20,7
Household appliances	1,730	1,729	1,722	+0.1	+0.4	+4.0	1,811	1,734	1,671	1,618	+11.9	14,913	13,4
Electric lighting and wiring equipment	1,651	1,658	1,654	-0.4	+0.2	-2.5	1,770	1,616	1,402	1,694	+4.5	14,820	13,4
Household audio and video equipment	921	945	982	-2.5	-3.8	+8.5	1,203	1,020	846	1,093	+10.1	7,840	7,
Communications equipment	3,853	3,927	3,869	-1.9	+1.5	-2.4	4,426	3,811	3,364	4,306	+2.8	33,352	30,
Electronic components	7,212	6,946	6,708	+3.8	+3.5	-4.7	7,659	6,875	6,228	6,274	+22.1	59,739	51,
Transportation equipment	35,108	34,127	30,865	+2.9	+10.6	-12.9	36,700	32,645	23,603	33,061	+11.0	311,555	286,
Motor vehicles and parts	23,407	21,949	20,070	+6.6	+9.4	-12.3	24,001	21,192	13,993	19,521	+22.9	205,545	172,
Aircraft, missiles, space vehicles, and parts	9,117	9,910	8,461	-8.0	+17.1	-16.6	10,000	9,167	7,418	10,992	-9.0	84,328	93,
Shipbuilding and tanks	985	945	1,067	+4.2	-11.4	+13.0	1,027	928	1,017	1,067	-3.7	8,632	8,
Instruments and related products	10,968	10,859	10,647	+1.0	+2.0	-1.8	11,837	10,467	9,603	11,641	+1.7	95,071	94
Search and navigation equipment	2,682	2,580	2,755	+4.0	-6.4	-2.0	2,853	2,475	2,354	3,090	-7.7	23,717	24
Measuring and controlling devices	3,012	2,946	2,843	+2.2	+3.6	-0.1	3,238	2,886	2,575	3,042	+6.4	25,921	25
Medical instruments and supplies	2,995	2,994	2,864	0.0	+4.5	-4.6	3,217	2,906	2,671	3,156	+1.9	26,157	26
Photographic goods	1,932	1,998	1,847	-3.3	+8.2	0.0	2,150	1,856	1,667	1,999	+7.6	16,224	15
All other durable goods	15,003	14,748	14,397	+1.7	+2.4	-0.1	16,126	15,462	13,543	14,903	+8.2	131,941	121
Nondurable goods industries	122,779	122,035	122,423	+0.6	-0.3	-0.7	130,723	124,122	117,588	128,151	+2.0	1,101,203	1,065
With unfilled orders	29,757	29,409	29,695	+1.2	-1.0	+1.3	31,510	30,058	28,194	30,671	+2.7	263,719	259
Food and kindred products	35,159	35,419	34,443	-0.7	+2.8	+0.3	37,436	35,577	33,096	35,567	+5.3	307,799	294
Meat products	8,087	8,075	7,971	+0.1	+1.3	-0.2	8,435	8,300	7,815	7,942	+6.2	71,468	66
Dairy products	4,562	4,515	4,516	+1.0	0.0	-1.3	4,713	4,630	4,537	4,565	+3.2	40,491	39
Beverages	5,069	5,149	4,896	-1.6	+5.2	-0.4	5,211	5,483	5,183	4,926	+5.8	44,823	43
All other foods, except fats and oils	15,581	15,903	15,391	-2.0	+3.3	+1.8	17,217	15,387	13,892	16,452	+4.6	135,500	130
Tobacco products	2,667	2,064	3,270	+29.2	-36.9	+17.8	3,150	1,871	2,565	4,017	-21.6	23,525	23
Textile mill products	5,756	5,896	5,887	-2.4	+0.2	+0.7	6,358	6,288	5,187	6,535	-2.7	52,595	52
Broadwoven fabrics and other textiles	3,541	3,547	3,625	-0.2	-2.2	+1.7	3,931	3,764	3,134	4,078	-3.6	32,692	32
Paper and allied products	10,855	10,664	10,724	+1.8	-0.6	-0.3	11,221	10,865	10,561	11,257	-0.3	97,475	98
Pulp, paper, and paperboard mill products	4,309	4,311	4,362	0.0	-1.2	-0.2	4,365	4,351	4,344	4,483	-2.6	39,301	40
Paperboard containers and boxes	2,620	2,638	2,666	-0.7	-1.1	+0.9	2,683	2,732	2,594	2,810	-4.5	23,966	24
Miscellaneous converted paper products	3,926	3,715	3,696	+5.7	+0.5	-1.3	4,173	3,782	3,623	3,964	+5.3	34,208	34
Chemicals and allied products	26,024	25,733	26,008	+1.1	-1.1	-2.6	27,356	25,560	24,821	26,500	+3.2	237,281	227
Industrial chemicals	13,196	13,320	13,389	-0.9	-0.5	-1.9	13,447	13,433	13,057	13,467	-0.1	122,047	118
Drugs, soaps, and toiletries	9,990	9,582	9,709	+4.3	-1.3	-1.6	11,438	9,525	9,095	10,608	+7.8	87,215	82
Petroleum and coal products	11,615	11,888	12,288	-2.3	-3.3	-3.3	12,338	12,452	12,599	13,833	-10.8	112,294	114
Rubber and plastics products	8,691	8,624	8,215	+0.8	+5.0	-4.8	9,063	8,747	7,885	8,853	+2.4	78,496	78
All other nondurable goods	22,012	21,747	21,588	+1.2	+0.7	+0.3	23,801	22,762	20,874	21,589	+10.2	191,738	174

[p] Preliminary. [r] Revised.

[1] Shipments and new orders are the totals for the period and are adjusted for trading-day and calendar-month variations.

Table 2. VALUE OF MANUFACTURERS' NEW ORDERS FOR INDUSTRY GROUPS
(Millions of dollars)

Industry	Seasonally adjusted						Not seasonally adjusted[1]						
	Monthly			Percent Change			Monthly				Percent change	Year to date	
	Sept. 1993[p]	Aug. 1993[r]	July 1993	Aug.-Sept.	July-Aug.	June-July	Sept. 1993[p]	Aug. 1993[r]	July 1993	Sept. 1992	Sept. 93/92	1993[p]	1992
All manufacturing industries	255,220	253,461	250,566	+0.7	+1.2	-1.9	270,501	252,422	230,096	256,455	+5.5	2,277,087	2,151,299
anufacturing industries vith unfilled orders	135,062	134,761	133,155	+0.2	+1.2	-1.3	143,578	132,658	120,737	135,376	+6.1	1,196,852	1,138,913
vithout defense capital goods	248,762	246,863	243,335	+0.8	+1.4	-2.5	263,783	246,660	224,122	250,028	+5.5	2,221,567	2,097,760
ırable goods industries	132,712	131,752	128,520	+0.7	+2.5	-2.8	140,381	128,446	112,603	128,699	+9.1	1,175,566	1,085,604
Vith unfilled orders	105,576	105,678	103,837	-0.1	+1.8	-1.7	112,671	102,746	92,638	105,100	+7.2	932,815	879,263
one, clay, and glass products	6,110	5,836	5,818	+4.7	+0.3	+6.8	6,682	6,362	5,986	6,181	+8.1	53,367	50,581
imary metals	11,362	11,044	10,859	+2.9	+1.7	-2.1	11,151	10,732	10,214	10,397	+7.3	104,341	101,502
Blast furnaces, steel mills	5,250	5,199	4,889	+1.0	+6.3	-4.1	5,012	5,112	4,708	4,549	+10.2	48,748	43,118
Iron and steel foundries	1,138	922	1,098	+23.4	-16.0	+18.4	1,171	931	968	925	+26.6	9,394	8,993
Nonferrous and other primary metals	4,974	4,923	4,872	+1.0	+1.0	-3.9	4,968	4,689	4,538	4,923	+0.9	46,199	49,391
bricated metal products	14,210	14,045	13,629	+1.2	+3.1	-1.1	15,050	14,148	12,393	14,621	+2.9	124,984	118,024
dustrial machinery and equipment	24,517	24,103	23,733	+1.7	+1.6	+3.5	26,393	22,583	20,545	23,031	+14.6	210,456	185,081
Engines and turbines	1,711	1,548	1,639	+10.5	-5.6	-4.3	1,974	1,604	1,385	1,957	+0.9	13,552	12,531
Construction, mining and material handling equipment	2,393	2,514	2,376	-4.8	+5.8	+4.2	2,431	2,426	2,151	2,289	+6.2	22,118	18,550
Metalworking machinery	2,544	2,631	2,536	-3.3	+3.7	-4.4	2,787	2,479	2,127	2,689	+3.6	22,115	20,543
Computer and office equipment	6,338	6,368	6,299	-0.5	+1.1	+6.3	7,887	5,839	4,889	6,866	+14.9	54,609	46,417
ectronic and other lectrical equipment	20,357	19,839	20,448	+2.6	-3.0	+2.9	22,070	19,516	18,617	19,553	+12.9	171,121	153,239
Electrical transmission and distribution equipment and industrial apparatus	2,424	2,491	2,341	-2.7	+6.4	+1.1	2,703	2,438	2,113	2,380	+13.6	21,814	20,295
Electric lighting and wiring equipment	1,593	1,657	1,731	-3.9	-4.3	+3.3	1,712	1,615	1,479	1,619	+5.7	14,980	13,407
Communications equipment	4,836	4,152	3,906	+16.5	+6.3	-11.3	5,458	3,948	3,443	4,388	+24.4	34,547	30,426
Electronic components	6,779	6,889	7,635	-1.6	-9.8	+10.8	6,863	6,725	7,093	6,324	+8.5	59,424	51,948
ansportation equipment	30,871	31,366	29,203	-1.6	+7.4	-16.3	31,927	29,749	21,460	29,121	+9.6	286,086	265,046
Aircraft, missiles, space vehicles, and parts	4,730	7,130	6,093	-33.7	+17.0	-36.5	5,102	6,253	4,452	8,290	-38.5	58,429	75,641
Shipbuilding and tanks	1,548	914	1,635	+69.4	-44.1	+156.7	1,562	896	1,575	294	+431.3	8,547	5,269
ıtruments and related products	10,234	10,629	10,483	-3.7	+1.4	+7.6	11,176	9,983	9,591	11,314	-1.2	91,942	89,936
Search and navigation equipment	2,498	2,632	2,441	-5.1	+7.8	+20.6	2,722	2,267	2,205	3,157	-13.8	21,726	21,022
Measuring and controlling devices	2,661	2,827	2,847	-5.9	-0.7	+0.9	2,887	2,767	2,579	2,833	+1.9	25,404	24,539
Medical instruments and supplies	2,770	2,840	2,920	-2.5	-2.7	+6.4	2,992	2,752	2,727	3,006	-0.5	25,443	25,847
l other durable goods	15,051	14,890	14,347	+1.1	+3.8	-1.0	15,932	15,373	13,797	14,481	+10.0	133,269	122,195
ndurable goods industries	122,508	121,709	122,046	+0.7	-0.3	-0.9	130,120	123,976	117,493	127,756	+1.9	1,101,521	1,065,695
With unfilled orders	29,486	29,083	29,318	+1.4	-0.8	+0.2	30,907	29,912	28,099	30,276	+2.1	264,037	259,650

[p] Preliminary. [r] Revised.

[1] Shipments and new orders are the totals for the period and are adjusted for trading-day and calendar-month variations.

(n) When new orders for a prior month are negative because of cancellations, the percentage change calculation is algebraically negative, even though there is a net dollar rease from the prior month to the current month.

Table 3. VALUE OF MANUFACTURERS' UNFILLED ORDERS FOR INDUSTRY GROUPS
(Millions of dollars)

Industry	Seasonally adjusted						Not seasonally adjusted				
	Monthly			Percent Change			Monthly				Percent change
	Sept. 1993[p]	Aug. 1993[r]	July 1993	Aug.-Sept.	July-Aug.	June-July	Sept. 1993[p]	Aug. 1993[r]	July 1993	Sept. 1992	Sept. 93/92
All manufacturing industries	450,090	455,100	458,195	-1.1	-0.7	-0.2	447,837	455,434	459,068	479,795	-6.7
Manufacturing industries without defense capital goods	328,100	332,176	334,763	-1.2	-0.8	-0.2	327,740	333,994	336,638	351,143	-6.7
Durable goods industries	428,126	432,865	435,634	-1.1	-0.6	-0.2	425,458	432,452	435,940	456,779	-6.9
Stone, clay, and glass products	7,282	7,353	7,315	-1.0	+0.5	+1.6	7,551	7,789	7,674	7,339	+2.9
Primary metals	21,887	22,084	22,358	-0.9	-1.2	-1.2	21,317	22,185	22,905	20,321	+4.9
Blast furnaces, steel mills	10,005	10,065	10,186	-0.6	-1.2	-3.1	9,815	10,235	10,480	7,916	+24.0
Iron and steel foundries	2,975	2,882	2,989	+3.2	-3.6	+7.2	2,942	2,873	2,997	2,777	+5.9
Nonferrous and other primary metals	8,907	9,137	9,183	-2.5	-0.5	-1.5	8,560	9,077	9,428	9,628	-11.1
Fabricated metal products	21,270	21,370	21,456	-0.5	-0.4	-0.8	21,174	21,316	21,363	22,481	-5.8
Industrial machinery and equipment	50,888	50,830	50,613	+0.1	+0.4	+0.5	50,584	50,774	50,231	50,832	-0.5
Engines and turbines	10,207	10,024	10,020	+1.8	0.0	+1.2	10,333	10,089	9,861	9,945	+3.9
Construction, mining and material handling equipment	5,696	5,760	5,639	-1.1	+2.1	+0.2	5,565	5,640	5,512	5,545	+0.4
Metalworking machinery	7,011	7,000	6,873	+0.2	+1.8	+0.2	7,011	7,000	6,873	8,127	-13.7
Computer and office equipment	6,824	7,119	7,318	-4.1	-2.7	-2.2	6,926	7,350	7,380	7,613	-9.0
Electronic and other electrical equipment	44,408	43,914	43,729	+1.1	+0.4	+2.9	44,012	43,940	43,850	41,950	+4.9
Electrical transmission and distribution equipment and industrial apparatus	5,847	5,814	5,738	+0.6	+1.3	-0.6	5,839	5,819	5,739	5,707	+2.3
Electric lighting and wiring equipment	3,140	3,198	3,199	-1.8	0.0	+2.5	3,140	3,198	3,199	2,901	+8.2
Communications equipment	14,635	13,652	13,427	+7.2	+1.7	+0.3	14,617	13,585	13,448	13,308	+9.8
Electronic components	15,761	16,194	16,251	-2.7	-0.4	+6.0	15,367	16,163	16,313	15,264	+0.7
Transportation equipment	221,804	226,041	228,802	-1.9	-1.2	-0.7	220,377	225,150	228,046	252,369	-12.7
Aircraft, missiles, space vehicles, and parts	192,747	197,134	199,914	-2.2	-1.4	-1.2	191,277	196,175	199,089	223,090	-14.3
Shipbuilding and tanks	21,096	20,533	20,564	+2.7	-0.2	+2.8	21,129	20,594	20,626	22,031	-4.1
Instruments and related products	52,809	53,543	53,773	-1.4	-0.4	-0.3	52,458	53,119	53,603	53,800	-2.5
Search and navigation equipment	35,569	35,753	35,701	-0.5	+0.1	-0.9	35,164	35,295	35,503	36,250	-3.0
Measuring and controlling devices	8,671	9,022	9,141	-3.9	-1.3	0.0	8,671	9,022	9,141	8,590	+0.9
Medical instruments and supplies	7,709	7,934	8,088	-2.8	-1.9	+0.7	7,709	7,934	8,088	8,025	-3.9
All other durable goods	7,778	7,730	7,588	+0.6	+1.9	-0.7	7,985	8,179	8,268	7,687	+3.9
Nondurable goods industries	21,964	22,235	22,561	-1.2	-1.4	-1.6	22,379	22,982	23,128	23,016	-2.8

[p] Preliminary. [r] Revised.

Table 4. VALUE OF MANUFACTURERS' INVENTORIES FOR INDUSTRY GROUPS
(Millions of dollars)

Industry	Seasonally adjusted						Not seasonally adjusted				
	Monthly			Percent Change			Monthly				Percent change
	Sept. 1993[p]	Aug. 1993[r]	July 1993	Aug.-Sept.	July-Aug.	June-July	Sept. 1993[p]	Aug. 1993[r]	July 1993	Sept. 1992	Sept. 93/92
All manufacturing industries	380,269	381,392	381,561	-0.3	0.0	+0.1	379,670	383,681	381,635	383,316	-1.0
anufacturing industries											
ith unfilled orders	250,699	251,652	252,122	-0.4	-0.2	+0.3	250,698	254,534	253,841	256,946	-2.4
ithout defense capital goods	352,513	353,283	353,441	-0.2	0.0	+0.2	351,800	354,978	353,146	352,268	-0.1
rable goods industries	237,027	237,688	237,937	-0.3	-0.1	+0.2	236,855	239,697	238,501	241,651	-2.0
Vith unfilled orders	217,308	218,183	218,813	-0.4	-0.3	+0.3	217,391	220,531	220,004	223,340	-2.7
one, clay, and glass products	7,600	7,621	7,692	-0.3	-0.9	+0.1	7,396	7,575	7,728	7,675	-3.6
mary metals	19,207	19,384	19,305	-0.9	+0.4	+0.8	19,397	19,556	19,318	19,999	-3.0
Blast furnaces, steel mills	9,352	9,443	9,553	-1.0	-1.2	+1.3	9,427	9,511	9,581	9,920	-5.0
Iron and steel foundries	1,387	1,392	1,380	-0.4	+0.9	+0.4	1,375	1,380	1,350	1,397	-1.6
Nonferrous and other primary metals	8,468	8,549	8,372	-0.9	+2.1	+0.3	8,595	8,665	8,387	8,682	-1.0
bricated metal products	23,243	23,283	23,130	-0.2	+0.7	+0.5	23,045	23,304	23,191	23,617	-2.4
llustrial machinery and equipment	45,384	45,470	45,282	-0.2	+0.4	+0.4	45,557	46,033	45,317	46,188	-1.4
Engines and turbines	3,537	3,608	3,571	-2.0	+1.0	+0.9	3,555	3,789	3,621	3,450	+3.0
Farm and garden machinery	2,248	2,208	2,124	+1.8	+4.0	+0.4	2,201	2,111	1,988	2,293	-4.0
Construction, mining and material handling equipment	5,770	5,786	5,805	-0.3	-0.3	-1.0	5,724	5,749	5,759	5,955	-3.9
Metalworking machinery	5,141	5,179	5,181	-0.7	0.0	-1.1	5,218	5,304	5,214	5,537	-5.8
Computer and office equipment	10,602	10,576	10,595	+0.2	-0.2	+2.4	10,856	10,997	10,808	10,504	+3.4
ctronic and other lectrical equipment	32,933	33,148	33,013	-0.6	+0.4	+1.2	32,808	33,637	33,395	31,500	+4.2
Electrical transmission and distribution equipment and industrial apparatus	4,321	4,365	4,379	-1.0	-0.3	+0.2	4,307	4,418	4,411	4,492	-4.1
Household appliances	2,482	2,510	2,525	-1.1	-0.6	-1.4	2,348	2,440	2,522	2,388	-1.7
Electric lighting and wiring equipment	2,861	2,920	2,907	-2.0	+0.4	+1.2	2,867	2,961	2,974	2,955	-3.0
Household audio and video equipment	1,050	1,145	1,190	-8.3	-3.8	+3.9	1,096	1,233	1,248	1,192	-8.1
Communications equipment	8,623	8,655	8,525	-0.4	+1.5	+2.6	8,509	8,795	8,582	7,211	+18.0
Electronic components	10,239	10,127	10,074	+1.1	+0.5	+1.2	10,341	10,310	10,224	9,740	+6.2
nsportation equipment	64,001	64,045	64,998	-0.1	-1.5	-0.4	64,038	64,491	64,810	68,770	-6.9
Motor vehicles and parts	11,375	11,480	11,397	-0.9	+0.7	-1.0	11,638	11,700	10,915	12,357	-5.8
Aircraft, missiles, space vehicles, and parts	48,464	48,200	49,213	+0.5	-2.1	-0.2	48,309	48,418	49,465	52,290	-7.6
Shipbuilding and tanks	1,601	1,733	1,824	-7.6	-5.0	-2.9	1,584	1,784	1,907	1,812	-12.6
truments and related products	22,283	22,508	22,602	-1.0	-0.4	-0.7	22,294	22,825	22,800	23,529	-5.2
Search and navigation equipment	5,737	5,817	5,870	-1.4	-0.9	-2.3	5,777	5,981	5,984	7,082	-18.4
Measuring and controlling devices	6,495	6,591	6,621	-1.5	-0.5	+0.1	6,495	6,659	6,654	6,669	-2.6
Medical instruments and supplies	6,270	6,315	6,335	-0.7	-0.3	-0.2	6,232	6,337	6,333	6,263	-0.5
Photographic goods	2,975	2,986	2,980	-0.4	+0.2	-0.4	3,005	3,047	3,021	2,808	+7.0
other durable goods	22,376	22,229	21,915	+0.7	+1.4	0.0	22,320	22,276	21,942	20,373	+9.6
ndurable goods industries	143,242	143,704	143,624	-0.3	+0.1	-0.1	142,815	143,984	143,134	141,665	+0.8
With unfilled orders	33,391	33,469	33,309	-0.2	+0.5	+0.1	33,307	34,003	33,837	33,606	-0.9
od and kindred products	29,750	29,938	30,162	-0.6	-0.7	-0.4	30,321	30,061	29,305	30,431	-0.4
Meat products	3,211	3,202	3,181	+0.3	+0.7	+2.5	3,160	3,158	3,177	2,774	+13.9
Dairy products	2,735	2,750	2,793	-0.5	-1.5	-1.1	2,743	2,872	2,913	2,783	-1.4
Beverages	5,282	5,322	5,327	-0.8	-0.1	0.0	5,298	5,228	5,253	5,416	-2.2
All other foods, except fats and oils	17,095	17,114	17,273	-0.1	-0.9	-1.5	17,864	17,403	16,489	18,206	-1.9
bacco products	6,756	6,712	6,714	+0.7	0.0	-1.4	6,587	6,487	6,333	6,429	+2.5
xtile mill products	9,187	9,172	9,200	+0.2	-0.3	-0.4	9,121	9,303	9,399	9,003	+1.3
Broadwoven fabrics and other textiles	5,192	5,186	5,210	+0.1	-0.5	-1.5	5,104	5,208	5,288	5,264	-3.0
per and allied products	13,612	13,714	13,596	-0.7	+0.9	+0.7	13,318	13,603	13,538	13,398	-0.6
Pulp, paper, and paperboard mill products	5,792	5,779	5,719	+0.2	+1.0	+1.2	5,676	5,731	5,680	5,615	+1.1
Paperboard containers and boxes	3,183	3,207	3,222	-0.7	-0.5	-0.6	3,135	3,176	3,237	3,217	-2.5
Miscellaneous converted paper products	4,637	4,728	4,655	-1.9	+1.6	+1.0	4,507	4,696	4,621	4,566	-1.3
emicals and allied products	35,174	35,085	34,853	+0.3	+0.7	-0.2	34,533	34,833	34,664	34,124	+1.2
ndustrial chemicals	17,196	17,251	17,106	-0.3	+0.8	+0.1	16,938	17,127	17,070	17,333	-2.3
Drugs, soaps, and toiletries	13,691	13,556	13,461	+1.0	+0.7	0.0	13,499	13,664	13,551	12,720	+6.1
troleum and coal products	10,630	11,024	11,247	-3.6	-2.0	-1.2	10,798	11,108	11,256	12,126	-11.0
bber and plastics products	12,203	12,199	12,181	0.0	+0.1	+0.4	12,035	12,007	12,063	11,383	+5.7
other nondurable goods	25,930	25,860	25,671	+0.3	+0.7	+0.5	26,102	26,582	26,576	24,771	+5.4

[p] Preliminary. [r] Revised.

Table 5. VALUE OF MANUFACTURERS' SHIPMENTS AND NEW ORDERS FOR TOPICAL SERIES[1]
(Millions of dollars)

Industry	Seasonally adjusted						Not seasonally adjusted [2]						
	Monthly			Percent Change			Monthly				Percent change	Year to date	
	Sept. 1993[p]	Aug. 1993[r]	July 1993	Aug.-Sept.	July-Aug.	June-July	Sept. 1993[p]	Aug. 1993[r]	July 1993	Sept. 1992	Sept. 93/92	1993[p]	1992
SHIPMENTS													
All manufacturing industries	260,230	256,556	251,680	+1.4	+1.9	-2.6	278,098	256,056	230,372	262,786	+5.8	2,301,436	2,179,27
Market categories :													
Automotive equipment	11,875	11,210	10,421	+5.9	+7.6	-10.6	12,290	10,883	7,539	10,170	+20.8	104,877	88,18
Home goods and apparel	18,017	17,862	17,352	+0.9	+2.9	-1.3	20,213	19,138	16,317	18,043	+12.0	156,430	139,16
Consumer staples	57,515	56,820	57,667	+1.2	-1.5	+0.6	62,163	56,990	55,068	61,203	+1.6	510,229	493,51
Machinery and equipment	44,420	44,137	41,355	+0.6	+6.7	-5.9	47,877	41,602	35,402	43,309	+10.5	386,402	352,96
Business supplies	19,402	19,290	19,469	+0.6	-0.9	-0.9	20,229	19,252	18,404	19,866	+1.8	174,328	170,54
Construction materials and supplies	16,730	16,378	15,892	+2.1	+3.1	-3.0	18,117	17,240	15,432	16,959	+6.8	148,039	137,86
Defense products	7,627	7,392	7,815	+3.2	-5.4	-0.7	8,324	7,131	7,034	8,945	-6.9	67,645	71,88
Other materials, supplies and and intermediate products	84,644	83,467	81,709	+1.4	+2.2	-2.6	88,885	83,820	75,176	84,291	+5.5	753,486	725,15
Durable goods industries :													
Nondefense capital goods [3]	33,686	33,825	31,723	-0.4	+6.6	-5.0	37,264	31,707	27,823	34,628	+7.6	292,657	274,89
Excluding aircraft and parts	28,573	27,776	27,447	+2.9	+1.2	+0.5	31,736	26,172	24,162	28,378	+11.8	243,848	220,02
Defense capital goods [4]	7,392	7,106	7,594	+4.0	-6.4	0.0	8,061	6,752	6,728	8,682	-7.2	65,203	70,33
Durables excluding capital goods	96,373	93,590	89,940	+3.0	+4.1	-4.4	102,050	93,475	78,233	91,325	+11.7	842,373	768,98
Miscellaneous series :													
Producers' durable equipment	87,380	85,636	80,951	+2.0	+5.8	-5.3	93,629	82,253	67,794	83,611	+12.0	760,427	689,93
Household durable goods	7,639	7,489	7,435	+2.0	+0.7	+0.4	8,732	7,647	6,510	7,942	+9.9	65,504	60,80
Information technology industries	15,646	15,650	15,251	0.0	+2.6	+2.5	18,355	14,641	12,938	16,499	+11.2	132,429	120,77
Health care equipment and products	8,414	8,194	8,126	+2.7	+0.8	-2.7	9,410	8,079	7,600	8,897	+5.8	73,474	70,63
NEW ORDERS													
All manufacturing industries	255,220	253,461	250,566	+0.7	+1.2	-1.9	270,501	252,422	230,096	256,455	+5.5	2,277,087	2,151,29
Market categories :													
Automotive equipment	11,813	11,207	10,475	+5.4	+7.0	-10.3	12,211	10,888	7,641	10,143	+20.4	104,977	88,16
Home goods and apparel	17,879	17,746	17,425	+0.7	+1.8	-1.6	19,685	19,090	16,715	17,750	+10.9	158,494	140,74
Consumer staples	57,535	56,812	57,639	+1.3	-1.4	+0.6	62,199	56,993	55,089	61,210	+1.6	510,272	493,56
Machinery and equipment	42,395	42,644	40,228	-0.6	+6.0	-9.7	45,529	40,183	34,156	41,476	+9.8	372,217	343,05
Business supplies	19,434	19,346	19,314	+0.5	+0.2	-1.2	20,276	19,354	18,292	19,772	+2.5	174,254	170,59
Construction materials and supplies	16,501	16,376	15,919	+0.8	+2.9	-0.6	17,744	17,266	15,562	16,991	+4.4	148,246	138,09
Defense products	6,654	6,922	7,442	-3.9	-7.0	+21.5	6,955	6,269	6,247	6,836	+1.7	58,065	55,92
Other materials, supplies and and intermediate products	83,009	82,408	82,124	+0.7	+0.3	-0.5	85,902	82,379	76,394	82,277	+4.4	750,562	721,15
Durable goods industries :													
Nondefense capital goods [3]	31,148	31,992	30,093	-2.6	+6.3	-11.1	34,453	30,274	26,087	33,018	+4.3	275,818	263,75
Excluding aircraft and parts	28,859	28,062	27,601	+2.8	+1.7	+0.1	31,749	26,858	24,210	28,151	+12.8	245,665	218,15
Defense capital goods [4]	6,458	6,598	7,231	-2.1	-8.8	+24.9	6,718	5,762	5,974	6,427	+4.5	55,520	53,53
Durables excluding capital goods	95,106	93,162	91,196	+2.1	+2.2	-1.5	99,210	92,410	80,542	89,254	+11.2	844,228	768,30
Miscellaneous series :													
Producers' durable equipment	85,471	84,933	80,708	+0.6	+5.2	-6.6	91,136	81,802	68,154	81,201	+12.2	750,959	679,26
Household durable goods	7,614	7,600	7,554	+0.2	+0.6	+2.3	8,481	7,769	6,858	7,698	+10.2	66,809	61,69
Information technology industries	15,688	15,292	15,085	+2.6	+1.4	+0.7	18,257	14,431	12,720	16,597	+10.0	132,738	119,22
Health care equipment and products	8,190	8,040	8,182	+1.9	-1.7	+1.1	9,185	7,924	7,657	8,746	+5.0	72,761	70,43

[p] Preliminary. [r] Revised.

[1] Topical series are regroupings of the separate industry categories.

[2] Shipments and new orders are the totals for the period and are adjusted for trading-day and calendar-month variations.

[3] Nondefense capital goods industries include : ordnance and accessories; steam, gas and hydraulic turbines; internal combustion engines; construction, mining, and m handling equipment; metalworking machinery; special industry machinery; general industrial machinery; computer and office equipment; refrigeration, heating and s industry machinery; electrical transmission and distribution equipment; electrical industrial apparatus; communications equipment; aircraft, missiles, space vehicles, and e and parts; ships and tank components; railroad equipment; and search and navigation equipment.

[4] Defense capital goods industries include : ordnance and accessories; communications equipment; aircraft, missiles, space vehicles, and engines and parts; ships, and tank components; and search and navigation equipment.

Table 6. VALUE OF MANUFACTURERS' UNFILLED ORDERS AND TOTAL INVENTORIES FOR TOPICAL SERIES[1]
(Millions of dollars)

Industry	Seasonally adjusted						Not seasonally adjusted				
	Monthly			Percent Change			Monthly				Percent change
	Sept. 1993[p]	Aug. 1993[r]	July 1993	Aug.-Sept.	July-Aug.	June-July	Sept. 1993[p]	Aug. 1993[r]	July 1993	Sept. 1992	Sept. 93/92
UNFILLED ORDERS											
All manufacturing industries	450,090	455,100	458,195	-1.1	-0.7	-0.2	447,837	455,434	459,068	479,795	-6.7
Market categories :											
Automotive equipment	1,684	1,746	1,748	-3.6	-0.1	+3.1	1,685	1,764	1,759	1,650	+2.1
Home goods and apparel	10,204	10,342	10,458	-1.3	-1.1	+0.7	10,655	11,182	11,230	9,816	+8.5
Consumer staples	1,439	1,418	1,427	+1.5	-0.6	-2.0	1,481	1,446	1,443	1,397	+6.0
Machinery and equipment	183,677	185,702	187,195	-1.1	-0.8	-0.6	183,320	185,668	187,087	204,478	-10.3
Business supplies	5,490	5,457	5,401	+0.6	+1.0	-2.8	5,614	5,568	5,465	5,883	-4.6
Construction materials and supplies	14,457	14,685	14,688	-1.6	0.0	+0.2	14,534	14,907	14,881	14,511	+0.2
Defense products	115,673	116,646	117,116	-0.8	-0.4	-0.3	113,756	115,125	115,987	121,526	-6.4
Other materials, supplies and and intermediate products	117,466	119,104	120,162	-1.4	-0.9	+0.3	116,792	119,774	121,216	120,534	-3.1
Durable goods industries :											
Nondefense capital goods [3]	200,637	203,175	205,008	-1.2	-0.9	-0.8	200,345	203,156	204,589	224,593	-10.8
Excluding aircraft and parts	72,369	72,083	71,797	+0.4	+0.4	+0.2	72,077	72,064	71,378	71,026	+1.5
Defense capital goods [4]	121,990	122,924	123,432	-0.8	-0.4	-0.3	120,097	121,440	122,430	128,652	-6.6
Durables excluding capital goods	105,499	106,766	107,194	-1.2	-0.4	+1.2	105,016	107,856	108,921	103,534	+1.4
Miscellaneous series :											
Producers' durable equipment	208,933	210,842	211,545	-0.9	-0.3	-0.1	208,906	211,399	211,850	225,957	-7.5
Household durable goods	5,516	5,541	5,430	-0.5	+2.0	+2.2	5,731	5,982	5,860	5,290	+8.3
Information technology industries	31,315	31,273	31,631	+0.1	-1.1	-0.5	31,425	31,523	31,733	31,214	+0.7
Health care equipment and products	7,739	7,963	8,117	-2.8	-1.9	+0.7	7,739	7,964	8,118	8,053	-3.9
TOTAL INVENTORIES											
All manufacturing industries	380,269	381,392	381,561	-0.3	0.0	+0.1	379,670	383,681	381,635	383,316	-1.0
Market categories :											
Automotive equipment	6,158	6,185	6,120	-0.4	+1.1	-1.4	6,157	6,180	5,877	6,246	-1.4
Home goods and apparel	30,516	30,611	30,408	-0.3	+0.7	+0.8	30,314	31,059	31,230	28,121	+7.8
Consumer staples	58,754	58,953	59,197	-0.3	-0.4	-0.6	59,117	59,148	58,236	59,141	0.0
Machinery and equipment	88,210	88,126	88,579	+0.1	-0.5	+0.2	88,007	88,641	88,581	88,850	-0.9
Business supplies	21,315	21,480	21,462	-0.8	+0.1	-0.3	21,465	21,828	21,603	22,346	-3.9
Construction materials and supplies	23,698	23,610	23,431	+0.4	+0.8	+0.1	23,478	23,605	23,556	22,522	+4.2
Defense products	26,277	26,565	26,591	-1.1	-0.1	-1.1	26,368	27,059	26,928	29,068	-9.3
Other materials, supplies and and intermediate products	125,341	125,862	125,773	-0.4	+0.1	+0.5	124,764	126,161	125,624	127,022	-1.8
Durable goods industries :											
Nondefense capital goods [3]	82,905	82,820	83,700	+0.1	-1.1	+0.6	82,748	83,521	84,079	84,277	-1.8
Excluding aircraft and parts	55,694	55,914	55,651	-0.4	+0.5	+0.7	55,760	56,825	56,047	55,068	+1.3
Defense capital goods [4]	27,756	28,109	28,120	-1.3	0.0	-1.1	27,870	28,703	28,489	31,048	-10.2
Durables excluding capital goods	126,366	126,759	126,117	-0.3	+0.5	+0.2	126,237	127,473	125,933	126,326	-0.1
Miscellaneous series :											
Producers' durable equipment	142,172	142,451	142,240	-0.2	+0.1	0.0	142,030	143,507	142,171	143,737	-1.2
Household durable goods	13,388	13,557	13,499	-1.2	+0.4	+0.9	13,296	13,786	13,754	12,836	+3.6
Information technology industries	29,891	29,866	29,737	+0.1	+0.4	+1.4	30,044	30,558	30,107	28,557	+5.2
Health care equipment and products	13,698	13,673	13,642	+0.2	+0.2	-0.1	13,557	13,750	13,687	13,171	+2.9

See footnotes at end of table 5.

Table 7. VALUE OF MANUFACTURERS' INVENTORIES, BY STAGE OF FABRICATION, BY INDUSTRY GROUP
(Millions of dollars)

Industry	Seasonally adjusted						Not seasonally adjusted				
	Monthly			Percent Change			Monthly				Percent change
	Sept. 1993[p]	Aug. 1993[r]	July 1993	Aug.-Sept.	July-Aug.	June-July	Sept. 1993[p]	Aug. 1993[r]	July 1993	Sept. 1992	Sept. 93/92
MATERIALS AND SUPPLIES											
All manufacturing industries	120,661	121,272	121,004	-0.5	+0.2	-0.2	120,298	121,623	120,669	121,636	-1.1
Durable goods industries	68,209	68,678	68,357	-0.7	+0.5	+0.3	68,533	69,389	68,216	69,710	-1.7
Stone, clay, and glass products	2,523	2,509	2,505	+0.6	+0.2	-0.6	2,513	2,528	2,523	2,484	+1.2
Primary metals	5,944	6,144	6,228	-3.3	-1.3	-0.1	6,053	6,209	6,216	6,329	-4.4
Fabricated metal products	7,820	7,739	7,646	+1.0	+1.2	-0.7	7,856	7,811	7,676	8,163	-3.8
Industrial machinery and equipment	14,100	14,293	14,267	-1.4	+0.2	-1.1	14,138	14,452	14,258	13,949	+1.4
Electronic and other electrical equipment	10,659	10,591	10,517	+0.6	+0.7	+0.7	10,629	10,683	10,599	10,239	+3.8
Transportation equipment	11,551	11,781	11,757	-2.0	+0.2	+1.3	11,549	11,982	11,533	13,331	-13.4
Instruments and related products	6,701	6,783	6,822	-1.2	-0.6	+0.9	6,700	6,839	6,841	7,011	-4.4
Lumber, furniture and miscellaneous durable goods	8,911	8,838	8,615	+0.8	+2.6	+1.8	9,095	8,885	8,570	8,204	+10.9
Nondurable goods industries	52,452	52,594	52,647	-0.3	-0.1	-0.8	51,765	52,234	52,453	51,926	-0.3
Food and kindred products	10,045	10,120	10,122	-0.7	0.0	-1.7	9,621	9,808	9,913	9,684	-0.7
Tobacco products	5,372	5,328	5,302	+0.8	+0.5	-0.3	5,255	5,102	5,001	5,199	+1.1
Textile mill products	2,610	2,608	2,604	+0.1	+0.2	-0.7	2,570	2,631	2,685	2,638	-2.6
Paper and allied products	6,814	6,779	6,781	+0.5	0.0	+0.4	6,754	6,720	6,763	6,731	+0.3
Chemicals and allied products	11,469	11,427	11,450	+0.4	-0.2	-0.7	11,356	11,464	11,529	11,451	-0.8
Petroleum and coal products	2,979	3,099	3,136	-3.9	-1.2	-2.7	2,975	3,149	3,136	3,302	-9.9
Rubber and plastics products	4,399	4,408	4,439	-0.2	-0.7	+0.3	4,431	4,343	4,420	4,457	-0.6
Apparel, printing and publishing and leather goods	8,764	8,825	8,813	-0.7	+0.1	-1.0	8,803	9,017	9,006	8,464	+4.0
WORK IN PROCESS											
All manufacturing industries	129,942	129,743	129,747	+0.2	0.0	+0.3	130,819	130,947	130,264	131,862	-0.8
Durable goods industries	106,650	106,463	106,545	+0.2	-0.1	+0.2	107,320	107,568	107,033	108,787	-1.3
Stone, clay, and glass products	1,107	1,124	1,130	-1.5	-0.5	0.0	1,088	1,126	1,138	1,152	-5.6
Primary metals	7,225	7,101	6,932	+1.7	+2.4	+1.3	7,315	7,211	6,994	7,361	-0.6
Fabricated metal products	7,611	7,671	7,596	-0.8	+1.0	+0.1	7,646	7,727	7,596	7,830	-2.3
Industrial machinery and equipment	18,399	18,338	18,079	+0.3	+1.4	+3.5	18,836	18,560	18,067	18,587	+1.3
Electronic and other electrical equipment	13,801	14,001	13,967	-1.4	+0.2	+1.6	13,789	14,221	14,047	12,835	+7.4
Transportation equipment	44,218	43,916	44,535	+0.7	-1.4	-1.0	44,299	44,094	44,711	46,320	-4.4
Instruments and related products	9,584	9,679	9,752	-1.0	-0.7	-2.0	9,651	9,932	9,896	10,620	-9.1
Lumber, furniture and miscellaneous durable goods	4,705	4,633	4,554	+1.6	+1.7	-0.9	4,696	4,697	4,584	4,082	+15.0
Nondurable goods industries	23,292	23,280	23,202	+0.1	+0.3	+0.5	23,499	23,379	23,231	23,075	+1.8
Food and kindred products	3,781	3,755	3,765	+0.7	-0.3	+0.3	3,837	3,512	3,552	3,773	+1.7
Tobacco products	181	178	181	+1.7	-1.7	-3.7	207	144	134	139	+48.9
Textile mill products	2,516	2,464	2,459	+2.1	+0.2	+0.3	2,553	2,495	2,503	2,423	+5.4
Paper and allied products	1,231	1,232	1,216	-0.1	+1.3	-0.4	1,201	1,247	1,246	1,191	+0.8
Chemicals and allied products	5,770	5,763	5,777	+0.1	-0.2	+2.0	5,742	5,828	5,811	5,445	+5.5
Petroleum and coal products	2,443	2,613	2,621	-6.5	-0.3	+0.8	2,488	2,645	2,640	3,009	-17.3
Rubber and plastics products	1,723	1,718	1,704	+0.3	+0.8	-2.2	1,723	1,724	1,673	1,581	+9.0
Apparel, printing and publishing and leather goods	5,647	5,557	5,479	+1.6	+1.4	+0.1	5,748	5,784	5,672	5,514	+4.2
FINISHED GOODS											
All manufacturing industries	129,666	130,377	130,810	-0.5	-0.3	+0.1	128,553	131,111	130,702	129,818	-1.0
Durable goods industries	62,168	62,547	63,035	-0.6	-0.8	0.0	61,002	62,740	63,252	63,154	-3.4
Stone, clay, and glass products	3,970	3,988	4,057	-0.5	-1.7	+0.5	3,795	3,921	4,067	4,039	-6.0
Primary metals	6,038	6,139	6,145	-1.6	-0.1	+1.2	6,029	6,136	6,108	6,309	-4.4
Fabricated metal products	7,812	7,873	7,888	-0.8	-0.2	+1.9	7,543	7,766	7,919	7,624	-1.1
Industrial machinery and equipment	12,885	12,839	12,936	+0.4	-0.7	-2.1	12,583	13,021	12,992	13,652	-7.8
Electronic and other electrical equipment	8,473	8,556	8,529	-1.0	+0.3	+1.3	8,390	8,733	8,749	8,426	-0.4
Transportation equipment	8,232	8,348	8,706	-1.4	-4.1	+0.4	8,190	8,415	8,566	9,119	-10.2
Instruments and related products	5,998	6,046	6,028	-0.8	+0.3	-0.2	5,943	6,054	6,063	5,898	+0.8
Lumber, furniture and miscellaneous durable goods	8,760	8,758	8,746	0.0	+0.1	-1.3	8,529	8,694	8,788	8,087	+5.5
Nondurable goods industries	67,498	67,830	67,775	-0.5	+0.1	+0.2	67,551	68,371	67,450	66,664	+1.3
Food and kindred products	15,924	16,063	16,275	-0.9	-1.3	+0.3	16,863	16,741	15,840	16,974	-0.7
Tobacco products	1,203	1,206	1,231	-0.2	-2.0	-5.6	1,125	1,241	1,198	1,091	+3.1
Textile mill products	4,061	4,100	4,137	-1.0	-0.9	-0.7	3,998	4,177	4,211	3,942	+1.4
Paper and allied products	5,567	5,703	5,599	-2.4	+1.9	+1.2	5,363	5,636	5,529	5,476	-2.1
Chemicals and allied products	17,935	17,895	17,626	+0.2	+1.5	-0.5	17,435	17,541	17,324	17,228	+1.2
Petroleum and coal products	5,208	5,312	5,490	-2.0	-3.2	-1.4	5,335	5,314	5,480	5,815	-8.3
Rubber and plastics products	6,081	6,073	6,038	+0.1	+0.6	+1.3	5,881	5,940	5,970	5,345	+10.0
Apparel, printing and publishing and leather goods	11,519	11,478	11,379	+0.4	+0.9	+1.8	11,551	11,781	11,898	10,793	+7.0

[p] Preliminary. [r] Revised.

Table 8. RATIOS OF MANUFACTURES' INVENTORIES TO SHIPMENTS AND UNFILLED ORDERS TO SHIPMENTS, BY INDUSTRY GROUP
(Based on seasonally adjusted data)

Industry	Inventory / Shipments ratio				Unfilled Orders / Shipments ratio[1]			
	Sept. 1993[p]	Aug. 1993[r]	July 1993	June 1993	Sept. 1993[p]	Aug. 1993[r]	July 1993	June 1993
All manufacturing industries	1.46	1.49	1.52	1.48	3.21	3.30	3.41	3.33
urable goods industries	1.72	1.77	1.84	1.76	3.88	3.99	4.17	4.02
Stone, clay, and glass products	1.23	1.31	1.35	1.33	1.26	1.37	1.38	1.34
Primary metals	1.66	1.71	1.73	1.65	1.89	1.95	2.01	1.95
Fabricated metal products	1.62	1.65	1.67	1.62	1.62	1.65	1.70	1.65
Industrial machinery and equipment	1.86	1.90	1.93	1.94	2.22	2.27	2.30	2.32
Electronic and other electrical equipment	1.66	1.69	1.72	1.67	2.24	2.23	2.27	2.18
Transportation equipment	1.82	1.88	2.11	1.84	11.99	12.22	13.99	12.18
Instruments and related products	2.03	2.07	2.12	2.10	4.81	4.93	5.05	4.98
ondurable goods industries	1.17	1.18	1.17	1.17	0.74	0.76	0.76	0.78
Food and kindred products	0.85	0.85	0.88	0.88	(X)	(X)	(X)	(X)
Tobacco products	2.53	3.25	2.05	2.45	(X)	(X)	(X)	(X)
Textile mill products	1.60	1.56	1.56	1.58	(NA)	(NA)	(NA)	(NA)
Paper and allied products	1.25	1.29	1.27	1.26	(NA)	(NA)	(NA)	(NA)
Chemicals and allied products	1.35	1.36	1.34	1.31	(X)	(X)	(X)	(X)
Petroleum and coal products	0.92	0.93	0.92	0.90	(X)	(X)	(X)	(X)
Rubber and plastics products	1.40	1.41	1.48	1.41	(X)	(X)	(X)	(X)

[p] Preliminary. [r] Revised. (X) Not applicable. (NA) Not available.

[1] Excludes the following industries with no unfilled orders : Wood and lumber products; glass containers; metal cans, barrels and drums; farm and garden machinery; otor vehicle assembly operations; other transportation equipment; foods and related products; tobacco; knitting mill products; apparel and related products; chemicals; etroleum and coal products; and rubber and plastics products.

Table 9. REVISIONS TO PREVIOUSLY PUBLISHED MONTHLY PERCENT CHANGES
(Based on seasonally adjusted data)

Industry	Shipments			New orders			Unfilled orders			Inventories		
	Sept.[1] 1993	Sept.[2] 1988-1992	Sept. 1992-Aug. 1993	Sept.[1] 1993	Sept.[2] 1988-1992	Sept. 1992-Aug. 1993	Sept.[1] 1993	Sept.[2] 1988-1992	Sept. 1992-Aug. 1993	Sept.[1] 1993	Sept.[2] 1988-1992	Sept. 1992-Aug. 1993
All manufacturing industries	(X)	0.2	0.2	(X)	0.5	0.2	(X)	0.1	0.0	(X)	0.0	0.1
rable goods industries	0.3	0.1	0.2	0.0	0.9	0.3	-0.1	0.1	0.1	(X)	0.0	0.1
tone, clay, and glass products	(X)	0.7	0.4	(X)	0.8	0.8	(X)	0.4	0.4	(X)	0.2	0.1
rimary metals	1.0	0.4	0.3	0.5	0.4	1.0	-0.5	0.2	0.3	(X)	0.2	0.1
abricated metal products	(X)	0.4	0.3	(X)	0.4	0.6	(X)	0.2	0.4	(X)	0.1	0.2
ndustrial machinery and equipment	0.0	0.3	0.5	-0.8	0.3	0.5	-0.4	0.1	0.1	(X)	0.1	0.1
lectronic and other electrical equipment	-0.1	0.4	0.4	-0.4	1.2	0.6	-0.2	0.4	0.1	(X)	0.3	0.1
ransportation equipment	0.7	0.2	0.6	0.2	1.6	1.0	-0.1	0.2	0.1	(X)	0.0	0.1
nstruments and related products	(X)	0.5	0.4	(X)	2.1	1.2	(X)	0.7	0.2	(X)	0.2	0.2
ndurable goods industries	(X)	0.2	0.1	(X)	0.2	0.1	(X)	0.2	0.3	(X)	0.1	0.1
ood and kindred products	(X)	0.2	0.1	(X)	(X)	(X)	(X)	(X)	(X)	(X)	0.1	0.1
obacco products	(X)	0.6	0.3	(X)	(X)	(X)	(X)	(X)	(X)	(X)	0.0	0.1
extile mill products	(X)	0.4	0.2	(X)	(NA)	(NA)	(X)	(NA)	(NA)	(X)	0.2	0.1
aper and allied products	(X)	0.5	0.3	(X)	(NA)	(NA)	(X)	(NA)	(NA)	(X)	0.2	0.1
hemicals and allied products	(X)	0.2	0.2	(X)	(X)	(X)	(X)	(X)	(X)	(X)	0.1	0.1
etroleum and coal products	(X)	0.2	0.4	(X)	(X)	(X)	(X)	(X)	(X)	(X)	0.2	0.3
ubber and plastics products	(X)	0.1	0.2	(X)	(X)	(X)	(X)	(X)	(X)	(X)	0.2	0.2
ital goods industries :												
ondefense	0.4	0.2	0.4	-0.5	0.6	0.6	-0.1	0.1	0.1	(X)	0.1	0.1
efense	0.0	0.6	0.5	1.6	6.4	1.8	0.0	0.3	0.2	(X)	0.1	0.1

(X) Not applicable. (NA) Not available.

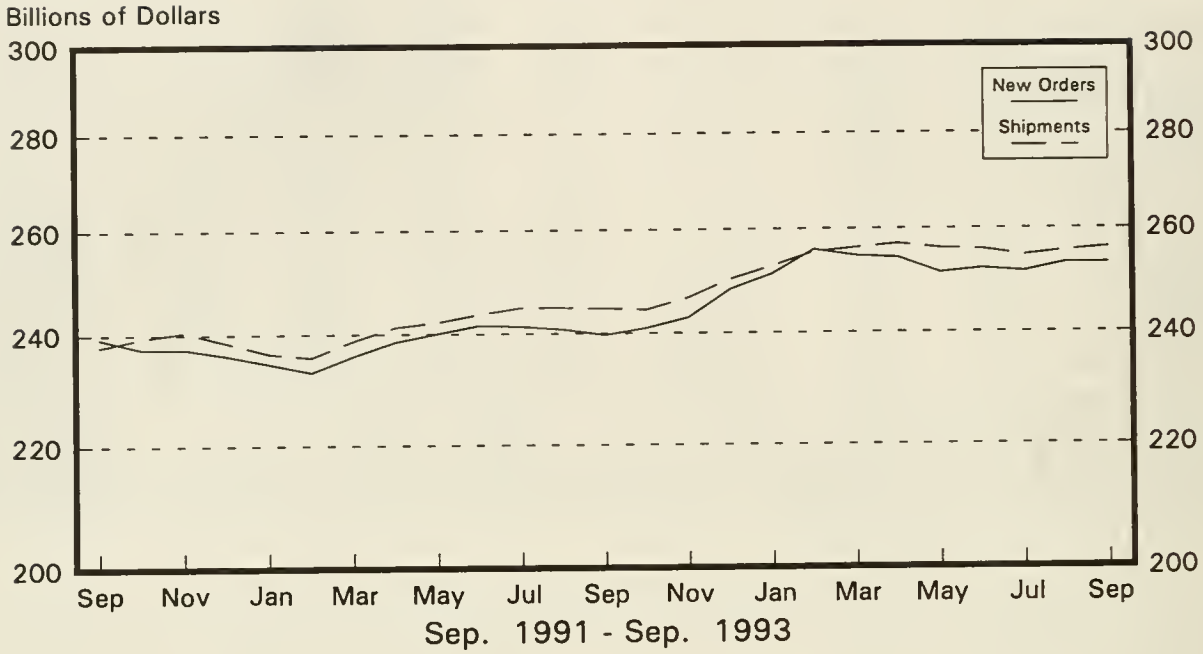
Note : The five year and the twelve month revisions are the differences between the month-to-month percent changes of the preliminary and final estimates. The onthly averages are the simple averages of the absolute values of the differences for the months specified. The advance to final percent change revisions for the rable goods industries are shown in the advance report for the month.

[1] The current month revisions are the difference between the advance precent change and the percent change as shown in this publication.

[2] Average for this month for the last five years.

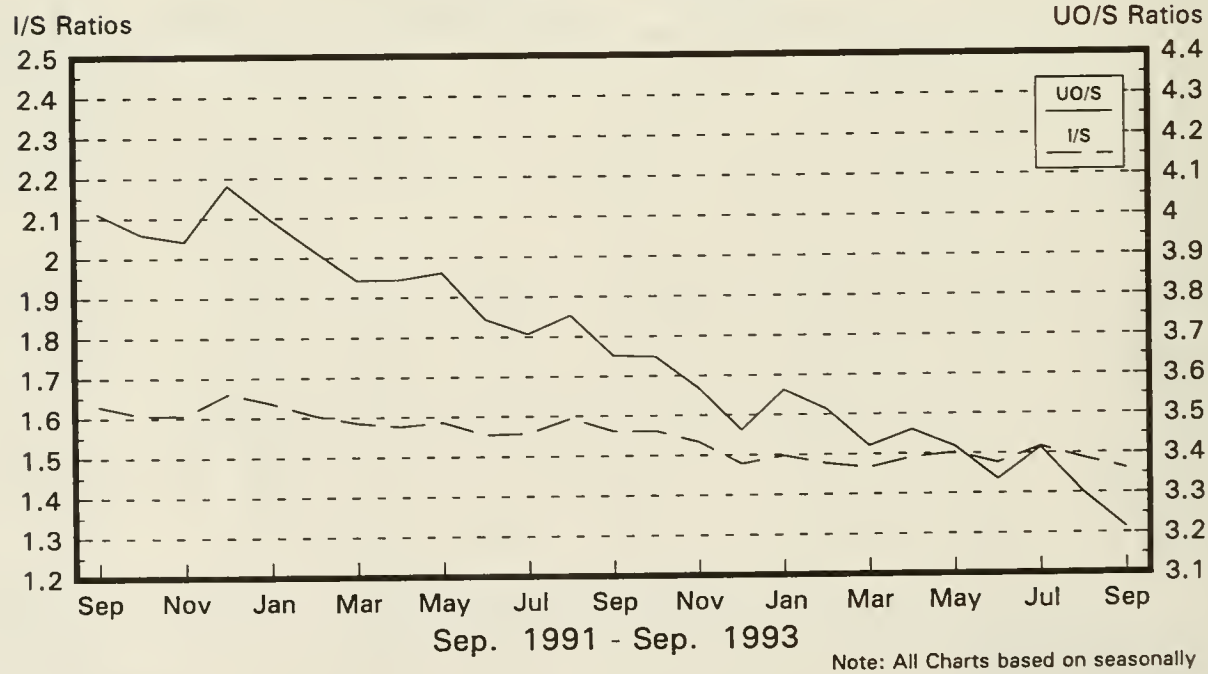
Total Manufacturing

New Orders and Shipments
Three Month Moving Averages



Total Manufacturing

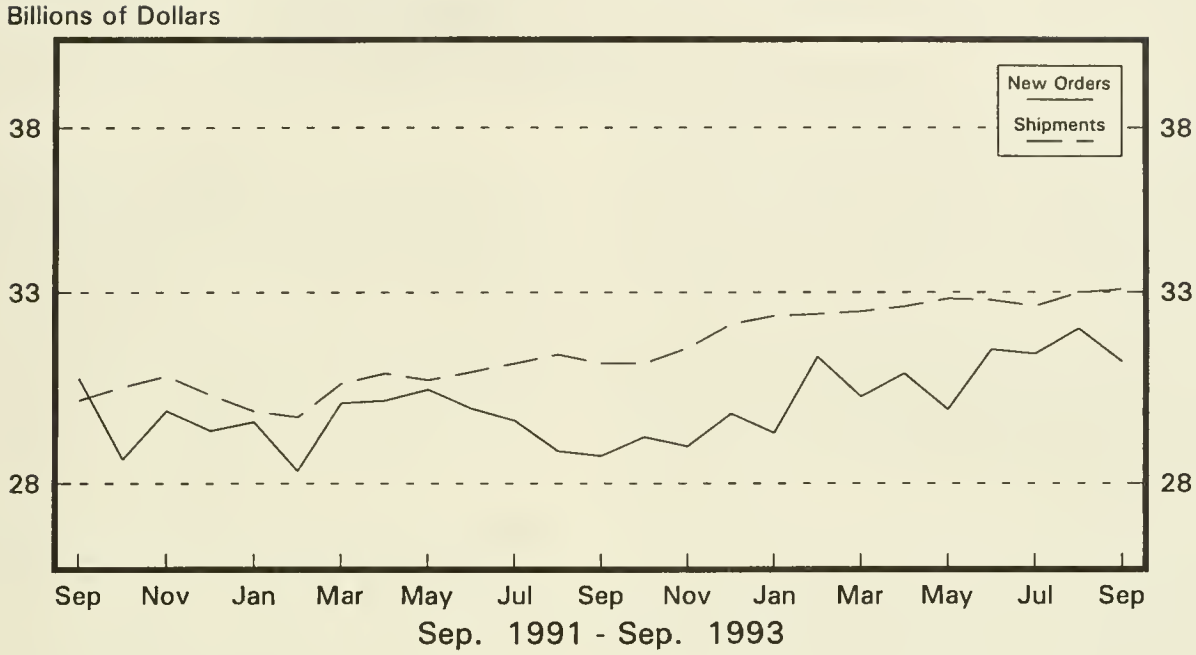
Ratio of Unfilled Orders and
Inventories to Shipments



Note: All Charts based on seasonally adjusted current dollars.

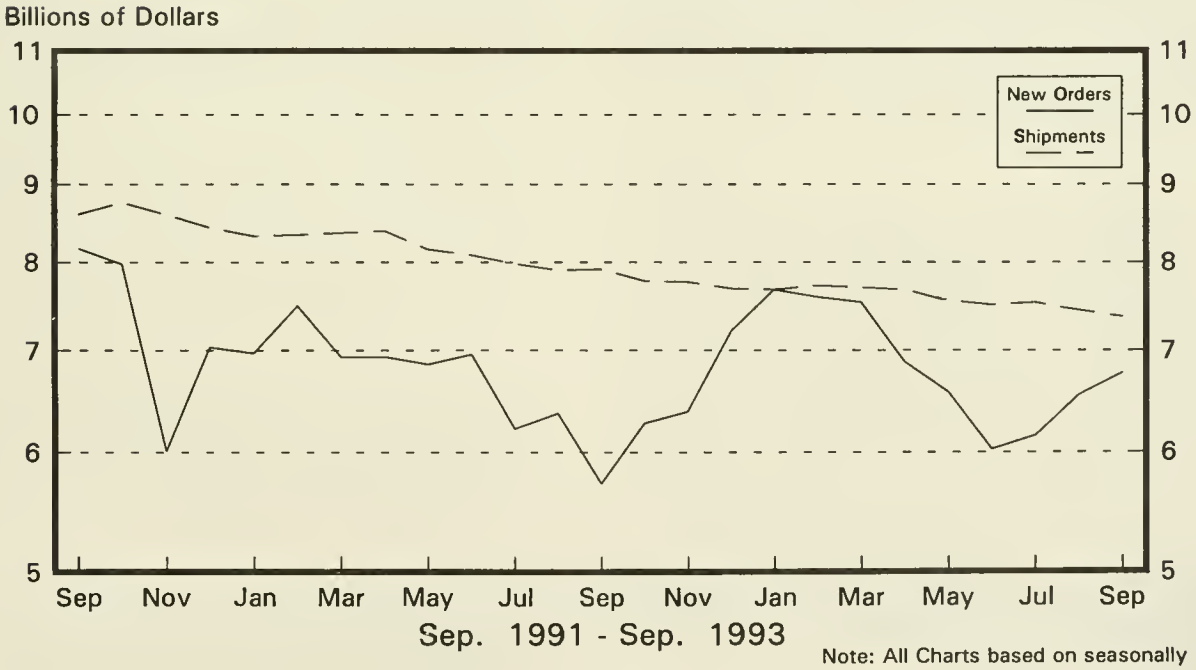
Nondefense Capital Goods

New Orders and Shipments
Three Month Moving Averages



Defense Capital Goods

New Orders and Shipments
Three Month Moving Averages



Note: All Charts based on seasonally adjusted current dollars.

U.S. Department of Commerce
BUREAU OF THE CENSUS
Washington, D.C. 20233

Official Business

Penalty for Private Use, $300

U.S. MAIL

POSTAGE AND FEES PA
U S DEPARTMENT OF COMMER

COM-2

First Class Mail

158:M 3-1-(93)-10

nt Industrial Reports, Manufac...

FEB 15 1994

Manufacturers' Shipments, Inventories, and Orders

. S. Department of Commerce
conomics and Statistics Administration
UREAU OF THE CENSUS

October 1993

M3-1-(93)-10
For Wire Transmissions 10:00 a.m. E.S.T. December 3, 1993

eve Andrews or Kathy Menth
01)763-2502 or (301)763-2575

Note: All figures in text are in seasonally adjusted current dollars

ummary

New orders for manufactured goods in October creased $3.1 billion or 1.2 percent to $258.4 billion, the ghest on record, the Department of Commerce, Bureau of e Census reported today. This follows a 0.7 percent crease in September and is the third consecutive monthly crease. Year-to-date new orders for 1993 are 5.9 percent ove the same period last year.

Shipments increased $0.1 billion to $260.2 billion, the ghest level on record. This follows a 1.4 percent increase September and is the third consecutive monthly increase. ear-to-date shipments for 1993 are 5.7 percent above the me period last year.

Unfilled orders decreased $1.8 billion or 0.4 percent to 48.6 billion, the lowest level since June 1988. This is the ghth monthly decline in a row and twenty-third in the last enty-six months. The unfilled orders-to-shipments ratio mained at 3.22 in October, the lowest since October 1977.

Inventories decreased $0.4 billion or 0.1 percent to 80.3 billion, the third consecutive monthly decline. The ventories-to-shipments ratio remained at 1.46 in October, e lowest on record.

ew Orders

New orders for manufactured durable goods in ctober increased a revised $3.4 billion or 2.6 percent to 36.6 billion, the highest level on record. This follows a 1.1 rcent increase in September and is the third consecutive onthly increase. Seven of the ten major groups had creases. The largest increase was in transportation uipment, up $1.8 billion or 5.9 percent to $32.8 billion, as creases in aircraft and parts, motor vehicles and parts, and ilroad equipment more than offset a decrease in ipbuilding and tanks. Excluding transportation equipment, w orders increased $1.6 billion or 1.5 percent, the fifth nsecutive monthly increase. Electronic and other ectrical equipment increased a revised $0.8 billion or 3.9 rcent to $21.4 billion. Instruments and related products creased $0.6 billion or 6.3 percent to $10.8 billion.

w orders for nondurable goods decreased $0.3 billion or percent to $121.8 billion, as decreases, led by paper and ied products and tobacco products, more than offset creases, led by printing and publishing and petroleum and al products. This follows a 0.3 percent increase in ptember and is the third decrease in the last four months.

ipments

Shipments of durable goods in October increased $0.2 lion or 0.1 percent to $137.7 billion, the highest level on ord. This follows a 2.2 percent increase in September and is the third consecutive monthly increase. Transportation equipment had the largest increase, up $1.1 billion or 3.1 percent to $36.2 billion, primarily due to motor vehicles and parts and aircraft and parts. Excluding transportation equipment, shipments were down $0.9 billion or 0.9 percent. Industrial machinery and equipment had the largest decline, down $0.3 billion or 1.2 percent to $24.1 billion.

Shipments of nondurable goods decreased $0.1 billion or 0.1 percent to $122.5 billion, following a 0.4 percent increase in September. This is the third decrease in the last four months. The largest decrease was in paper and allied products, down $0.2 billion or 1.9 percent to $10.7 billion. Petroleum and coal products had the largest increase, up $0.2 billion or 1.7 percent to $11.9 billion.

Unfilled Orders

Unfilled orders for durable goods in October decreased $1.1 billion or 0.3 percent to $427.4 billion, the lowest level since June 1988. This is the eighth consecutive monthly decline and twenty-seventh in the last thirty-two months. Transportation equipment, down for the eighteenth consecutive month, had the largest decrease, down $3.4 billion or 1.5 percent to $218.5 billion, primarily due to aircraft and parts. This is the lowest level since February 1989. Excluding transportation equipment, unfilled orders were up $2.3 billion or 1.1 percent. Electronic and other electrical equipment had the largest increase, up $1.5 billion or 3.4 percent to $46.0 billion, primarily due to electronic components. Industrial machinery and equipment increased $0.6 billion or 1.2 percent to $51.6 billion, with increases in nearly all categories. Unfilled orders for nondurable goods, down for the sixth consecutive month, decreased $0.7 billion or 3.0 percent to $21.1 billion, the largest decline since February 1982.

Inventories

Inventories for durable goods in October decreased $0.1 billion to $237.5 billion, the third consecutive monthly decline. Transportation equipment had the largest decline, down $0.9 billion or 1.5 percent to $62.9 billion, due to aircraft and parts. Excluding transportation equipment, inventories increased $0.8 billion or 0.5 percent. Industrial machinery and equipment and electronic and other electrical equipment each increased $0.3 billion. Nondurable goods inventories decreased $0.3 billion or 0.2 percent to $142.8 billion, primarily due to chemicals and allied products. This is the fourth decline in the last five months.

By stage of fabrication, finished goods decreased 0.2 percent in durables and 0.3 percent in nondurables. Work in process was unchanged in durables and up 0.2 percent in nondurables. Materials and supplies increased 0.1 percent in durables and declined 0.4 percent in nondurables.

(SEE BACK PAGE FOR 1994 RELEASE DATES)

The advance report on durable goods for November is scheduled for December 23, 1993 at 8:30 a.m. and the full report on January 5, 1994 at 10:00 a.m. For sale by the Superintendent of Documents, U.S. Government Printing Office, Washington, DC 20402. This report is also available the day of issue through the Department of Commerce's online Economic Bulletin Board (N-8-1) (202-482-3870) and through the Census Bureau's online information service—CENDATA. CENDATA is available from Dialog Information Services, Inc. (1-800-334-2564) and CompuServe (1-800-848-8199). The CENDATA staff at the Bureau of the Census (301-763-2074) can provide content information and general guidance.

Table 1. VALUE OF MANUFACTURERS' SHIPMENTS FOR INDUSTRY GROUPS
(Millions of dollars)

Industry	Seasonally adjusted						Not seasonally adjusted[1]						
	Monthly			Percent Change			Monthly				Percent change	Year to date	
	Oct. 1993[p]	Sept. 1993[r]	Aug. 1993	Sept.-Oct.	Aug.-Sept.	July-Aug.	Oct. 1993[p]	Sept. 1993[r]	Aug. 1993	Oct. 1992	Oct. 93/92	1993[p]	199
All manufacturing industries	260,154	260,088	256,556	0.0	+1.4	+1.9	272,120	277,395	256,056	256,328	+6.2	2,572,853	2,435,5
Manufacturing Industries													
with unfilled orders	139,378	140,005	137,856	-0.4	+1.6	+2.7	144,957	150,896	136,292	136,960	+5.8	1,365,879	1,303,8
without defense capital goods	252,499	252,574	249,450	0.0	+1.3	+2.2	264,611	269,354	249,304	248,834	+6.3	2,500,161	2,357,7
Durable goods industries	137,691	137,521	134,521	+0.1	+2.2	+4.1	144,242	147,012	131,934	132,242	+9.1	1,344,112	1,246,4
With unfilled orders	109,600	110,177	108,447	-0.5	+1.6	+3.7	113,152	119,306	106,234	105,954	+6.8	1,070,275	1,013,8
Stone, clay, and glass products	6,118	6,174	5,798	-0.9	+6.5	+1.7	6,870	6,908	6,247	6,440	+6.7	59,066	56,2
Primary metals	11,360	11,527	11,318	-1.4	+1.8	+1.7	11,875	12,004	11,452	11,689	+1.6	115,560	114,6
Blast furnaces, steel mills	5,293	5,294	5,320	0.0	-0.5	+2.0	5,499	5,431	5,357	4,998	+10.0	52,853	48,9
Iron and steel foundries	1,088	1,052	1,029	+3.4	+2.2	+14.6	1,218	1,102	1,055	1,141	+6.7	10,500	10,3
Nonferrous and other primary metals	4,979	5,181	4,969	-3.9	+4.3	-0.9	5,158	5,471	5,040	5,550	-7.1	52,207	55,3
Fabricated metal products	14,279	14,310	14,131	-0.2	+1.3	+2.3	15,303	15,164	14,195	14,304	+7.0	141,846	133,7
Industrial machinery and equipment	24,102	24,393	23,886	-1.2	+2.1	+1.7	23,591	26,590	22,040	20,939	+12.7	233,589	207,9
Engines and turbines	1,470	1,521	1,544	-3.4	-1.5	+1.8	1,407	1,731	1,376	1,329	+5.9	14,683	13,4
Farm and garden machinery	1,419	1,475	1,477	-3.8	-0.1	+1.4	1,392	1,309	1,093	1,242	+12.1	15,063	12,8
Construction, mining and material handling equipment	2,448	2,453	2,393	-0.2	+2.5	+1.3	2,497	2,499	2,298	2,259	+10.5	24,642	20,9
Metalworking machinery	2,533	2,540	2,504	-0.3	+1.4	-0.7	2,698	2,776	2,352	2,381	+13.3	25,135	23,2
Computer and office equipment	6,637	6,615	6,567	+0.3	+0.7	+1.6	5,794	8,320	5,869	4,705	+23.1	60,607	52,1
Electronic and other electrical equipment	19,867	20,042	19,654	-0.9	+2.0	+2.2	20,387	22,111	19,426	18,411	+10.7	189,696	171,2
Electrical transmission and distribution equipment and industrial apparatus	2,427	2,399	2,415	+1.2	-0.7	+1.7	2,391	2,689	2,358	2,324	+2.9	23,924	23,1
Household appliances	1,690	1,723	1,729	-1.9	-0.3	+0.4	1,700	1,811	1,734	1,564	+8.7	16,613	15,0
Electric lighting and wiring equipment	1,692	1,649	1,658	+2.6	-0.5	+0.2	1,704	1,763	1,616	1,584	+7.6	16,517	15,2
Household audio and video equipment	1,005	935	945	+7.5	-1.1	-3.8	1,321	1,205	1,020	1,178	+12.1	9,163	8,9
Communications equipment	4,089	3,935	3,927	+3.9	+0.2	+1.5	3,959	4,477	3,811	3,510	+12.8	37,362	33,3
Electronic components	6,779	7,280	6,946	-6.9	+4.8	+3.5	6,826	7,720	6,875	6,191	+10.3	66,626	57,2
Transportation equipment	36,237	35,164	34,127	+3.1	+3.0	+10.6	39,434	36,268	32,645	35,310	+11.7	350,557	321,3
Motor vehicles and parts	24,279	23,662	21,949	+2.6	+7.8	+9.4	27,874	23,985	21,192	23,260	+19.8	233,403	195,
Aircraft, missiles, space vehicles, and parts	9,421	8,900	9,910	+5.9	-10.2	+17.1	8,950	9,585	9,167	9,746	-8.2	92,863	103,
Shipbuilding and tanks	998	990	945	+0.8	+4.8	-11.4	1,012	1,026	928	905	+11.8	9,643	9,
Instruments and related products	10,689	10,902	10,859	-2.0	+0.4	+2.0	10,717	11,821	10,467	10,490	+2.2	105,772	104,
Search and navigation equipment	2,522	2,641	2,580	-4.5	+2.4	-6.4	2,467	2,856	2,475	2,640	-6.6	26,187	27,
Measuring and controlling devices	2,985	3,000	2,946	-0.5	+1.8	+3.6	3,018	3,221	2,886	2,832	+6.6	28,922	28,
Medical instruments and supplies	2,960	2,988	2,994	-0.9	-0.2	+4.5	2,895	3,215	2,906	2,787	+3.9	29,050	28,
Photographic goods	1,886	1,927	1,998	-2.1	-3.6	+8.2	2,001	2,150	1,856	1,904	+5.1	18,225	17,
All other durable goods	15,039	15,009	14,748	+0.2	+1.8	+2.4	16,065	16,146	15,462	14,659	+9.6	148,026	135,
Nondurable goods industries	122,463	122,567	122,035	-0.1	+0.4	-0.3	127,878	130,383	124,122	124,086	+3.1	1,228,741	1,189,
With unfilled orders	29,778	29,828	29,409	-0.2	+1.4	-1.0	31,805	31,590	30,058	31,006	+2.6	295,604	290,
Food and kindred products	34,844	34,909	35,419	-0.2	-1.4	+2.8	36,114	37,158	35,577	34,383	+5.0	343,635	328,
Meat products	8,046	8,007	8,075	+0.5	-0.8	+1.3	8,336	8,333	8,300	7,795	+6.9	79,702	74,
Dairy products	4,489	4,560	4,515	-1.6	+1.0	0.0	4,471	4,720	4,630	4,392	+1.8	44,969	43,
Beverages	4,825	5,035	5,149	-4.2	-2.2	+5.2	4,675	5,196	5,483	4,637	+0.8	49,483	48,
All other foods, except fats and oils	15,721	15,589	15,903	+0.8	-2.0	+3.3	16,869	17,191	15,387	15,876	+6.3	152,343	146,
Tobacco products	2,456	2,640	2,064	-7.0	+27.9	-36.9	2,215	3,150	1,871	2,231	-0.7	25,740	25,
Textile mill products	5,803	5,763	5,896	+0.7	-2.3	+0.2	6,255	6,367	6,288	6,183	+1.2	58,859	58,
Broadwoven fabrics and other textiles	3,530	3,531	3,547	0.0	-0.5	-2.2	3,703	3,923	3,764	3,725	-0.6	36,387	36,
Paper and allied products	10,683	10,889	10,664	-1.9	+2.1	-0.6	10,883	11,273	10,865	11,030	-1.3	108,410	109,
Pulp, paper, and paperboard mill products	4,279	4,305	4,311	-0.6	-0.1	-1.2	4,292	4,365	4,351	4,353	-1.4	43,593	44,
Paperboard containers and boxes	2,590	2,637	2,638	-1.8	0.0	-1.1	2,712	2,713	2,732	2,850	-4.8	26,708	27,
Miscellaneous converted paper products	3,814	3,947	3,715	-3.4	+6.2	+0.5	3,879	4,195	3,782	3,827	+1.4	38,109	37,
Chemicals and allied products	25,865	25,943	25,733	-0.3	+0.8	-1.1	25,608	27,218	25,560	24,684	+3.7	262,751	252,
Industrial chemicals	13,144	13,181	13,320	-0.3	-1.0	-0.5	13,236	13,445	13,433	13,292	-0.4	135,281	131,
Drugs, soaps, and toiletries	9,929	9,919	9,582	+0.1	+3.5	-1.3	9,949	11,291	9,525	8,946	+11.2	97,017	91,
Petroleum and coal products	11,862	11,669	11,888	+1.7	-1.8	-3.3	12,783	12,333	12,452	13,929	-8.2	125,072	128,
Rubber and plastics products	8,674	8,690	8,624	-0.2	+0.8	+5.0	9,091	9,054	8,747	8,917	+2.0	87,578	87,
All other nondurable goods	22,276	22,064	21,747	+1.0	+1.5	+0.7	24,929	23,830	22,762	22,729	+9.7	216,696	197,

[p] Preliminary. [r] Revised.

[1] Shipments and new orders are the totals for the period and are adjusted for trading-day and calendar-month variations.

Table 2. VALUE OF MANUFACTURERS' NEW ORDERS FOR INDUSTRY GROUPS
(Millions of dollars)

Industry	Seasonally adjusted						Not seasonally adjusted[1]						
	Monthly			Percent Change			Monthly				Percent change	Year to date	
	Oct. 1993[p]	Sept. 1993[r]	Aug. 1993	Sept.-Oct.	Aug.-Sept.	July-Aug.	Oct. 1993[p]	Sept. 1993[r]	Aug. 1993	Oct. 1992	Oct. 93/92	1993[p]	1992
All manufacturing industries	258,394	255,309	253,461	+1.2	+0.7	+1.2	268,952	270,017	252,422	254,210	+5.8	2,545,555	2,405,509
nufacturing industries													
ith unfilled orders	137,618	135,226	134,761	+1.8	+0.3	+1.2	141,789	143,518	132,658	134,842	+5.2	1,338,581	1,273,755
ithout defense capital goods	252,636	248,863	246,863	+1.5	+0.8	+1.4	262,721	263,389	246,660	246,316	+6.7	2,483,894	2,344,076
able goods industries	136,586	133,176	131,752	+2.6	+1.1	+2.5	142,471	140,258	128,446	130,473	+9.2	1,317,914	1,216,077
ith unfilled orders	108,495	105,832	105,678	+2.5	+0.1	+1.8	111,381	112,552	102,746	104,185	+6.9	1,044,077	983,448
ne, clay, and glass products	6,269	6,133	5,836	+2.2	+5.1	+0.3	6,849	6,659	6,362	6,093	+12.4	60,193	56,674
nary metals	11,647	11,517	11,044	+1.1	+4.3	+1.7	11,515	11,207	10,732	10,836	+6.3	115,912	112,338
last furnaces, steel mills	5,519	5,394	5,199	+2.3	+3.8	+6.3	5,348	5,073	5,112	4,611	+16.0	54,157	47,729
on and steel foundries	1,167	1,153	922	+1.2	+25.1	-16.0	1,320	1,171	931	1,168	+13.0	10,714	10,161
onferrous and other primary metals	4,961	4,970	4,923	-0.2	+1.0	+1.0	4,847	4,963	4,689	5,057	-4.2	51,041	54,448
ricated metal products	13,856	14,164	14,045	-2.2	+0.8	+3.1	14,678	15,034	14,148	14,391	+2.0	139,646	132,415
ustrial machinery and equipment	24,701	24,528	24,103	+0.7	+1.8	+1.6	24,330	26,434	22,583	20,860	+16.6	234,827	205,941
ngines and turbines	1,451	1,717	1,548	-15.5	+10.9	-5.6	1,494	1,981	1,604	1,361	+9.8	15,053	13,892
onstruction, mining and material handling equipment	2,521	2,404	2,514	+4.9	-4.4	+5.8	2,632	2,427	2,426	2,368	+11.1	24,746	20,918
etalworking machinery	2,338	2,563	2,631	-8.8	-2.6	+3.7	2,503	2,799	2,479	2,092	+19.6	24,630	22,635
omputer and office equipment	6,692	6,305	6,368	+6.1	-1.0	+1.1	5,883	7,896	5,839	4,729	+24.4	60,501	51,146
tronic and other ectrical equipment	21,374	20,581	19,839	+3.9	+3.7	-3.0	22,003	22,188	19,516	18,795	+17.1	193,242	172,034
lectrical transmission and distribution equipment and ndustrial apparatus	2,456	2,430	2,491	+1.1	-2.4	+6.4	2,405	2,710	2,438	2,391	+0.6	24,226	22,686
lectric lighting and wiring equipment	1,715	1,588	1,657	+8.0	-4.2	-4.3	1,727	1,702	1,615	1,592	+8.5	16,697	14,999
ommunications equipment	4,411	4,984	4,152	-11.5	+20.0	+6.3	4,365	5,563	3,948	3,660	+19.3	39,017	34,086
lectronic components	7,790	6,785	6,889	+14.8	-1.5	-9.8	7,759	6,849	6,725	6,177	+25.6	67,169	58,125
nsportation equipment	32,841	31,012	31,366	+5.9	-1.1	+7.4	36,642	31,632	29,749	34,829	+5.2	322,433	299,875
Aircraft, missiles, space vehicles, and parts	5,853	4,475	7,130	+30.8	-37.2	+17.0	6,004	4,732	6,253	9,624	-37.6	64,063	85,265
Shipbuilding and tanks	696	1,472	914	-52.7	+61.1	-44.1	689	1,484	896	527	+30.7	9,158	5,796
ruments and related products	10,793	10,158	10,629	+6.3	-4.4	+1.4	10,667	11,149	9,983	10,457	+2.0	102,582	100,393
earch and navigation equipment	2,393	2,468	2,632	-3.0	-6.2	+7.8	2,251	2,729	2,267	2,116	+6.4	23,984	23,138
leasuring and controlling devices	3,059	2,640	2,827	+15.9	-6.6	-0.7	3,092	2,861	2,767	2,879	+7.4	28,470	27,418
ledical instruments and supplies	3,158	2,757	2,840	+14.5	-2.9	-2.7	3,093	2,984	2,752	3,308	-6.5	28,528	29,155
other durable goods	15,105	15,083	14,890	+0.1	+1.3	+3.8	15,787	15,955	15,373	14,212	+11.1	149,079	136,407
ndurable goods industries	121,808	122,133	121,709	-0.3	+0.3	-0.3	126,481	129,759	123,976	123,737	+2.2	1,227,641	1,189,432
Vith unfilled orders	29,123	29,394	29,083	-0.9	+1.1	-0.8	30,408	30,966	29,912	30,657	-0.8	294,504	290,307

Preliminary. [r] Revised.

Shipments and new orders are the totals for the period and are adjusted for trading-day and calendar-month variations.

n) When new orders for a prior month are negative because of cancellations, the percentage change calculation is algebraically negative, even though there is a net dollar ease from the prior month to the current month.

Table 3. VALUE OF MANUFACTURERS' UNFILLED ORDERS FOR INDUSTRY GROUPS
(Millions of dollars)

Industry	Seasonally adjusted						Not seasonally adjusted				
	Monthly			Percent Change			Monthly				Percen change
	Oct. 1993[p]	Sept. 1993[r]	Aug. 1993	Sept.-Oct.	Aug.-Sept.	July-Aug.	Oct. 1993[p]	Sept. 1993[r]	Aug. 1993	Oct. 1992	Oct. 93/92
All manufacturing industries	448,561	450,321	455,100	-0.4	-1.1	-0.7	444,888	448,056	455,434	477,677	-6.9
Manufacturing industries without defense capital goods	328,602	328,465	332,176	0.0	-1.1	-0.8	326,139	328,029	333,994	348,625	-6.4
Durable goods industries	427,415	428,520	432,865	-0.3	-1.0	-0.6	423,927	425,698	432,452	455,010	-6.8
Stone, clay, and glass products	7,463	7,312	7,353	+2.1	-0.6	+0.5	7,519	7,540	7,789	6,992	+7.5
Primary metals	22,361	22,074	22,084	+1.3	0.0	-1.2	21,028	21,388	22,185	19,468	+8.0
Blast furnaces, steel mills	10,391	10,165	10,065	+2.2	+1.0	-1.2	9,726	9,877	10,235	7,529	+29.2
Iron and steel foundries	3,062	2,983	2,882	+2.6	+3.5	-3.6	3,044	2,942	2,873	2,804	+8.6
Nonferrous and other primary metals	8,908	8,926	9,137	-0.2	-2.3	-0.5	8,258	8,569	9,077	9,135	-9.6
Fabricated metal products	20,801	21,224	21,370	-2.0	-0.7	-0.4	20,561	21,186	21,316	22,568	-8.9
Industrial machinery and equipment	51,564	50,965	50,830	+1.2	+0.3	+0.4	51,357	50,618	50,774	50,753	+1.2
Engines and turbines	10,201	10,220	10,024	-0.2	+2.0	0.0	10,426	10,339	10,089	9,977	+4.5
Construction, mining and material handling equipment	5,784	5,711	5,760	+1.3	-0.9	+2.1	5,703	5,568	5,640	5,654	+0.9
Metalworking machinery	6,828	7,023	7,000	-2.8	+0.3	+1.8	6,828	7,023	7,000	7,838	-12.9
Computer and office equipment	6,864	6,809	7,119	+0.8	-4.4	-2.7	7,015	6,926	7,350	7,637	-8.1
Electronic and other electrical equipment	45,960	44,453	43,914	+3.4	+1.2	+0.4	45,633	44,017	43,940	42,334	+7.8
Electrical transmission and distribution equipment and industrial apparatus	5,874	5,845	5,814	+0.5	+0.5	+1.3	5,854	5,840	5,819	5,774	+1.4
Electric lighting and wiring equipment	3,160	3,137	3,198	+0.7	-1.9	0.0	3,160	3,137	3,198	2,909	+8.6
Communications equipment	15,023	14,701	13,652	+2.2	+7.7	+1.7	15,077	14,671	13,585	13,458	+12.0
Electronic components	16,710	15,699	16,194	+6.4	-3.1	-0.4	16,225	15,292	16,163	15,250	+6.4
Transportation equipment	218,493	221,889	226,041	-1.5	-1.8	-1.2	217,722	220,514	225,150	251,888	-13.6
Aircraft, missiles, space vehicles, and parts	189,141	192,709	197,134	-1.9	-2.2	-1.4	188,376	191,322	196,175	222,968	-15.5
Shipbuilding and tanks	20,713	21,015	20,533	-1.4	+2.3	-0.2	20,729	21,052	20,594	21,653	-4.2
Instruments and related products	52,903	52,799	53,543	+0.2	-1.4	-0.4	52,397	52,447	53,119	53,767	-2.5
Search and navigation equipment	35,451	35,580	35,753	-0.4	-0.5	+0.1	34,952	35,168	35,295	35,726	-2.2
Measuring and controlling devices	8,736	8,662	9,022	+0.9	-4.0	-1.3	8,736	8,662	9,022	8,637	+1.4
Medical instruments and supplies	7,901	7,703	7,934	+2.6	-2.9	-1.9	7,901	7,703	7,934	8,546	-7.5
All other durable goods	7,870	7,804	7,730	+0.8	+1.0	+1.9	7,710	7,988	8,179	7,240	+6.5
Nondurable goods industries	21,146	21,801	22,235	-3.0	-2.0	-1.4	20,961	22,358	22,982	22,667	-7.5

[p] Preliminary. [r] Revised.

Table 4. VALUE OF MANUFACTURERS' INVENTORIES FOR INDUSTRY GROUPS
(Millions of dollars)

Industry	Seasonally adjusted						Not seasonally adjusted				
	Monthly			Percent Change			Monthly				Percent change
	Oct. 1993[p]	Sept. 1993[r]	Aug. 1993	Sept.-Oct.	Aug.-Sept.	July-Aug.	Oct. 1993[p]	Sept. 1993[r]	Aug. 1993	Oct. 1992	Oct. 93/92
ll manufacturing industries	380,250	380,689	381,392	-0.1	-0.2	0.0	381,236	380,226	383,681	384,340	-0.8
ufacturing industries											
n unfilled orders	250,850	251,213	251,652	-0.1	-0.2	-0.2	251,275	251,254	254,534	256,306	-2.0
hout defense capital goods	352,795	352,616	353,283	+0.1	-0.2	0.0	353,494	351,940	354,978	353,031	+0.1
ble goods industries	237,476	237,571	237,688	0.0	0.0	-0.1	237,995	237,395	239,697	241,401	-1.4
th unfilled orders	217,604	217,844	218,183	-0.1	-0.2	-0.3	218,341	217,932	220,531	222,970	-2.1
e, clay, and glass products	7,617	7,601	7,621	+0.2	-0.3	-0.9	7,365	7,390	7,575	7,565	-2.6
ary metals	19,379	19,241	19,384	+0.7	-0.7	+0.4	19,460	19,400	19,556	19,679	-1.1
ast furnaces, steel mills	9,486	9,369	9,443	+1.2	-0.8	-1.2	9,533	9,434	9,511	9,843	-3.1
n and steel foundries	1,406	1,391	1,392	+1.1	-0.1	+0.9	1,381	1,375	1,380	1,372	+0.7
nferrous and other primary											
netals	8,487	8,481	8,549	+0.1	-0.8	+2.1	8,546	8,591	8,665	8,464	+1.0
icated metal products	23,093	23,266	23,283	-0.7	-0.1	+0.7	22,847	23,086	23,304	23,420	-2.4
strial machinery and equipment	45,775	45,484	45,470	+0.6	0.0	+0.4	46,393	45,631	46,033	46,416	0.0
gines and turbines	3,564	3,522	3,608	+1.2	-2.4	+1.0	3,736	3,554	3,789	3,673	+1.7
rm and garden machinery	2,359	2,259	2,208	+4.4	+2.3	+4.0	2,300	2,198	2,111	2,277	+1.0
nstruction, mining and											
aterial handling equipment	5,762	5,776	5,786	-0.2	-0.2	-0.3	5,699	5,727	5,749	5,817	-2.0
etalworking machinery	5,186	5,153	5,179	+0.6	-0.5	0.0	5,264	5,215	5,304	5,477	-3.9
mputer and office equipment	10,599	10,645	10,576	-0.4	+0.7	-0.2	11,076	10,930	10,997	10,835	+2.2
ronic and other											
ctrical equipment	33,486	33,186	33,148	+0.9	+0.1	+0.4	33,347	33,000	33,637	31,164	+7.0
ctrical transmission and											
stribution equipment and											
dustrial apparatus	4,309	4,325	4,365	-0.4	-0.9	-0.3	4,290	4,314	4,418	4,455	-3.7
usehold appliances	2,543	2,488	2,510	+2.2	-0.9	-0.6	2,431	2,348	2,440	2,403	+1.2
ctric lighting and											
iring equipment	2,810	2,850	2,920	-1.4	-2.4	+0.4	2,827	2,861	2,961	2,968	-4.8
usehold audio and											
deo equipment	1,026	1,052	1,145	-2.5	-8.1	-3.8	1,040	1,097	1,233	1,139	-8.7
mmunications equipment	9,013	8,779	8,655	+2.7	+1.4	+1.5	8,931	8,644	8,795	7,120	+25.4
ctronic components	10,500	10,295	10,127	+2.0	+1.7	+0.5	10,563	10,338	10,310	9,613	+9.9
rtation equipment	62,935	63,864	64,045	-1.5	-0.3	-1.5	63,415	64,021	64,491	69,417	-8.6
tor vehicles and parts	11,391	11,411	11,480	-0.2	-0.6	+0.7	11,666	11,647	11,700	12,184	-4.3
craft, missiles,											
ace vehicles, and parts	47,376	48,317	48,200	-1.9	+0.2	-2.1	47,700	48,283	48,418	53,071	-10.1
pbuilding and tanks	1,624	1,591	1,733	+2.1	-8.2	-5.0	1,569	1,584	1,784	1,811	-13.4
ments and related products	22,588	22,525	22,508	+0.3	+0.1	-0.4	22,692	22,551	22,825	23,362	-2.9
rch and navigation equipment	6,010	5,982	5,817	+0.5	+2.8	-0.9	6,123	6,038	5,981	6,905	-11.3
asuring and controlling devices	6,563	6,494	6,591	+1.1	-1.5	-0.5	6,550	6,488	6,659	6,611	-0.9
dical instruments and supplies	6,247	6,270	6,315	-0.4	-0.7	-0.3	6,272	6,235	6,337	6,354	-1.3
tographic goods	2,952	2,970	2,986	-0.6	-0.5	+0.2	2,955	3,005	3,047	2,790	+5.9
her durable goods	22,603	22,404	22,229	+0.9	+0.8	+1.4	22,476	22,316	22,276	20,378	+10.3
rurable goods industries	142,774	143,118	143,704	-0.2	-0.4	+0.1	143,241	142,831	143,984	142,939	+0.2
th unfilled orders	33,246	33,369	33,469	-0.4	-0.3	+0.5	32,934	33,322	34,003	33,336	-1.2
and kindred products	29,953	29,834	29,938	+0.4	-0.3	-0.7	31,539	30,408	30,061	31,529	0.0
at products	3,187	3,201	3,202	-0.4	0.0	+0.7	3,203	3,156	3,158	2,922	+9.6
ry products	2,776	2,740	2,750	+1.3	-0.4	-1.5	2,751	2,743	2,872	2,713	+1.4
erages	5,299	5,299	5,322	0.0	-0.4	-0.1	5,368	5,316	5,228	5,469	-1.8
other foods, except fats and oils	17,121	17,133	17,114	-0.1	+0.1	-0.9	18,542	17,922	17,403	18,880	-1.8
co products	6,580	6,702	6,712	-1.8	-0.1	0.0	6,639	6,587	6,487	6,786	-2.2
e mill products	9,232	9,204	9,172	+0.3	+0.3	-0.3	9,084	9,131	9,303	8,944	+1.6
adwoven fabrics and											
her textiles	5,231	5,213	5,186	+0.3	+0.5	-0.5	5,173	5,116	5,208	5,304	-2.5
and allied products	13,618	13,600	13,714	+0.1	-0.8	+0.9	13,307	13,315	13,603	13,419	-0.8
p, paper, and											
perboard mill products	5,830	5,792	5,779	+0.7	+0.2	+1.0	5,696	5,676	5,731	5,654	+0.7
erboard containers and boxes	3,209	3,187	3,207	+0.7	-0.6	-0.5	3,110	3,136	3,176	3,145	-1.1
cellaneous converted											
per products	4,579	4,621	4,728	-0.9	-2.3	+1.6	4,501	4,503	4,696	4,620	-2.6
icals and allied products	34,723	35,019	35,085	-0.8	-0.2	+0.7	34,389	34,441	34,833	34,593	-0.6
strial chemicals	17,022	17,143	17,251	-0.7	-0.6	+0.8	16,750	16,935	17,127	17,194	-2.6
gs, soaps, and toiletries	13,395	13,583	13,556	-1.4	+0.2	+0.7	13,422	13,403	13,664	13,178	+1.9
eum and coal products	10,686	10,677	11,024	+0.1	-3.1	-2.0	10,954	10,812	11,108	12,020	-8.9
r and plastics products	12,196	12,199	12,199	0.0	0.0	+0.1	12,001	12,035	12,007	11,425	+5.0
er nondurable goods	25,786	25,883	25,860	-0.4	+0.1	+0.7	25,328	26,102	26,582	24,223	+4.6

[p] Preliminary. [r] Revised.

Table 5. VALUE OF MANUFACTURERS' SHIPMENTS AND NEW ORDERS FOR TOPICAL SERIES[1]
(Millions of dollars)

Industry	Seasonally adjusted						Not seasonally adjusted [2]						
	Monthly			Percent Change			Monthly				Percent change	Year to date	
	Oct. 1993[p]	Sept. 1993[r]	Aug. 1993	Sept.-Oct.	Aug.-Sept.	July-Aug.	Oct. 1993[p]	Sept. 1993[r]	Aug. 1993	Oct. 1992	Oct. 93/92	1993[p]	1992
SHIPMENTS													
All manufacturing industries	260,154	260,088	256,556	0.0	+1.4	+1.9	272,120	277,395	256,056	256,328	+6.2	2,572,853	2,435,599
Market categories :													
Automotive equipment	12,429	12,005	11,210	+3.5	+7.1	+7.6	14,246	12,277	10,883	11,818	+20.5	119,110	100,000
Home goods and apparel	18,093	18,023	17,862	+0.4	+0.9	+2.9	20,496	20,207	19,138	18,321	+11.9	176,920	157,487
Consumer staples	57,089	57,294	56,820	-0.4	+0.8	-1.5	58,779	61,833	56,990	56,805	+3.5	568,678	550,316
Machinery and equipment	44,379	44,157	44,137	+0.5	0.0	+6.7	45,043	47,525	41,602	40,858	+10.2	431,093	393,822
Business supplies	19,476	19,466	19,290	+0.1	+0.9	-0.9	20,864	20,300	19,252	20,579	+1.4	195,263	191,121
Construction materials and supplies	16,777	16,730	16,378	+0.3	+2.1	+3.1	17,931	18,107	17,240	16,583	+8.1	165,960	154,442
Defense products	7,977	7,762	7,392	+2.8	+5.0	-5.4	7,858	8,309	7,131	7,655	+2.7	75,488	79,542
Other materials, supplies and and intermediate products	83,934	84,651	83,467	-0.8	+1.4	+2.2	86,903	88,837	83,820	83,709	+3.8	840,341	808,868
Durable goods industries :													
Nondefense capital goods [3]	33,509	33,375	33,825	+0.4	-1.3	+6.6	32,411	36,937	31,707	30,209	+7.3	324,741	305,107
Excluding aircraft and parts	28,430	28,626	27,776	-0.7	+3.1	+1.2	27,736	31,810	26,172	24,758	+12.0	271,658	244,787
Defense capital goods [4]	7,655	7,514	7,106	+1.9	+5.7	-6.4	7,509	8,041	6,752	7,494	+0.2	72,692	77,830
Durables excluding capital goods	96,527	96,632	93,590	-0.1	+3.3	+4.1	104,322	102,034	93,475	94,539	+10.3	946,679	863,520
Miscellaneous series :													
Producers' durable equipment	87,671	87,261	85,636	+0.5	+1.9	+5.8	92,426	93,260	82,253	83,175	+11.1	852,484	773,110
Household durable goods	7,529	7,604	7,489	-1.0	+1.5	+0.7	8,457	8,694	7,647	7,913	+6.9	73,923	68,72[illegible]
Information technology industries	15,781	15,692	15,650	+0.6	+0.3	+2.6	14,985	18,404	14,641	13,232	+13.2	147,463	134,008
Health care equipment and products	8,344	8,370	8,194	-0.3	+2.1	+0.8	8,295	9,330	8,079	7,647	+8.5	81,689	78,28[illegible]
NEW ORDERS													
All manufacturing industries	258,394	255,309	253,461	+1.2	+0.7	+1.2	268,952	270,017	252,422	254,210	+5.8	2,545,555	2,405,50[illegible]
Market categories :													
Automotive equipment	12,472	11,991	11,207	+4.0	+7.0	+7.0	14,316	12,235	10,888	11,792	+21.4	119,317	99,95[illegible]
Home goods and apparel	17,822	17,837	17,746	-0.1	+0.5	+1.8	19,545	19,692	19,090	18,154	+7.7	178,046	158,90[illegible]
Consumer staples	57,064	57,311	56,812	-0.4	+0.9	-1.4	58,728	61,869	56,993	56,818	+3.4	568,670	550,38[illegible]
Machinery and equipment	43,819	42,271	42,644	+3.7	-0.9	+6.0	44,513	45,293	40,183	39,738	+12.0	416,494	382,79[illegible]
Business supplies	19,563	19,435	19,346	+0.7	+0.5	+0.2	20,745	20,273	19,354	19,339	+2.0	194,996	190,93[illegible]
Construction materials and supplies	16,770	16,515	16,376	+1.5	+0.8	+2.9	17,708	17,731	17,266	16,405	+7.9	165,941	154,50[illegible]
Defense products	6,184	6,654	6,922	-7.1	-3.9	-7.0	6,672	6,867	6,269	8,285	-19.5	64,649	64,20[illegible]
Other materials, supplies and and intermediate products	84,700	83,295	82,408	+1.7	+1.1	+0.3	86,725	86,057	82,379	82,679	+4.9	837,442	803,83[illegible]
Durable goods industries :													
Nondefense capital goods [3]	32,495	30,992	31,992	+4.8	-3.1	+6.3	31,524	34,256	30,274	29,152	+8.1	307,145	292,91[illegible]
Excluding aircraft and parts	29,595	29,026	28,062	+2.0	+3.4	+1.7	29,028	31,912	26,858	24,626	+17.9	274,856	242,77[illegible]
Defense capital goods [4]	5,758	6,446	6,598	-10.7	-2.3	-8.8	6,231	6,628	5,762	7,894	-21.1	61,661	61,43[illegible]
Durables excluding capital goods	98,333	95,738	93,162	+2.7	+2.8	+2.2	104,716	99,374	92,410	93,427	+12.1	949,108	861,73[illegible]
Miscellaneous series :													
Producers' durable equipment	88,038	85,686	84,933	+2.7	+0.9	+5.2	92,459	91,050	81,802	81,498	+13.4	843,332	760,76[illegible]
Household durable goods	7,574	7,606	7,600	-0.4	+0.1	+0.6	8,153	8,458	7,769	7,774	+4.9	74,939	69,46[illegible]
Information technology industries	16,175	15,764	15,292	+2.6	+3.1	+1.4	15,391	18,351	14,431	12,867	+19.6	148,223	132,08[illegible]
Health care equipment and products	8,542	8,139	8,040	+5.0	+1.2	-1.7	8,494	9,099	7,924	8,167	+4.0	81,169	78,60[illegible]

[p] Preliminary. [r] Revised.

[1] Topical series are regroupings of the separate industry categories.

[2] Shipments and new orders are the totals for the period and are adjusted for trading-day and calendar-month variations.

[3] Nondefense capital goods industries include : ordnance and accessories; steam, gas and hydraulic turbines; internal combustion engines; construction, mining, and m[illegible] handling equipment; metalworking machinery; special industry machinery; general industrial machinery; computer and office equipment; refrigeration, heating and [illegible] industry machinery; electrical transmission and distribution equipment; electrical industrial apparatus; communications equipment; aircraft, missiles, space vehicles, and e[illegible] and parts; ships and tank components; railroad equipment; and search and navigation equipment.

[4] Defense capital goods industries include : ordnance and accessories; communications equipment; aircraft, missiles, space vehicles, and engines and parts; ships [illegible] and tank components; and search and navigation equipment.

Table 6. VALUE OF MANUFACTURERS' UNFILLED ORDERS AND TOTAL INVENTORIES FOR TOPICAL SERIES[1]
(Millions of dollars)

Industry	Seasonally adjusted						Not seasonally adjusted				
	Monthly			Percent Change			Monthly				Percent change
	Oct. 1993[p]	Sept. 1993[r]	Aug. 1993	Sept.-Oct.	Aug.-Sept.	July-Aug.	Oct. 1993[p]	Sept. 1993[r]	Aug. 1993	Oct. 1992	Oct. 93/92
UNFILLED ORDERS											
All manufacturing industries	448,561	450,321	455,100	-0.4	-1.1	-0.7	444,888	448,056	455,434	477,677	-6.9
Market categories :											
Automotive equipment	1,774	1,731	1,746	+2.5	-0.9	-0.1	1,792	1,723	1,764	1,623	+10.4
Home goods and apparel	9,884	10,156	10,342	-2.7	-1.8	-1.1	9,717	10,667	11,182	9,649	+0.7
Consumer staples	1,410	1,435	1,418	-1.7	+1.2	-0.6	1,431	1,482	1,446	1,409	+1.6
Machinery and equipment	183,255	183,815	185,702	-0.3	-1.0	-0.8	182,907	183,436	185,668	203,357	-10.1
Business supplies	5,514	5,427	5,457	+1.6	-0.5	+1.0	5,421	5,541	5,568	5,643	-3.9
Construction materials and supplies	14,463	14,471	14,685	-0.1	-1.5	0.0	14,307	14,531	14,907	14,332	-0.2
Defense products	113,745	115,538	116,646	-1.6	-0.9	-0.4	112,497	113,683	115,125	122,156	-7.9
Other materials, supplies and and intermediate products	118,516	117,748	119,104	+0.7	-1.1	-0.9	116,816	116,993	119,774	119,508	-2.3
Durable goods industries :											
Nondefense capital goods [3]	199,778	200,792	203,175	-0.5	-1.2	-0.9	199,588	200,475	203,156	223,536	-10.7
Excluding aircraft and parts	73,648	72,483	72,083	+1.6	+0.6	+0.4	73,458	72,166	72,064	70,894	+3.6
Defense capital goods [4]	119,959	121,856	122,924	-1.6	-0.9	-0.4	118,749	120,027	121,440	129,052	-8.0
Durables excluding capital goods	107,678	105,872	106,766	+1.7	-0.8	-0.4	105,590	105,196	107,856	102,422	+3.1
Miscellaneous series :											
Producers' durable equipment	209,634	209,267	210,842	+0.2	-0.7	-0.3	209,222	209,189	211,399	224,280	-6.7
Household durable goods	5,588	5,543	5,541	+0.8	0.0	+2.0	5,442	5,746	5,982	5,151	+5.6
Information technology industries	31,739	31,345	31,273	+1.3	+0.2	-1.1	31,876	31,470	31,523	30,849	+3.3
Health care equipment and products	7,930	7,733	7,963	+2.5	-2.9	-1.9	7,931	7,733	7,964	8,573	-7.5
TOTAL INVENTORIES											
All manufacturing industries	380,250	380,689	381,392	-0.1	-0.2	0.0	381,236	380,226	383,681	384,340	-0.8
Market categories :											
Automotive equipment	6,099	6,161	6,185	-1.0	-0.4	+1.1	6,094	6,171	6,180	6,217	-2.0
Home goods and apparel	30,655	30,506	30,611	+0.5	-0.3	+0.7	29,815	30,307	31,059	27,626	+7.9
Consumer staples	58,373	58,673	58,953	-0.5	-0.5	-0.4	60,021	59,107	59,148	60,772	-1.2
Machinery and equipment	88,542	88,251	88,126	+0.3	+0.1	-0.5	89,058	88,057	88,641	89,250	-0.2
Business supplies	21,155	21,308	21,480	-0.7	-0.8	+0.1	21,256	21,476	21,828	22,129	-3.9
Construction materials and supplies	23,705	23,692	23,610	+0.1	+0.3	+0.8	23,442	23,470	23,605	22,483	+4.3
Defense products	26,027	26,620	26,565	-2.2	+0.2	-0.1	26,264	26,783	27,059	29,333	-10.5
Other materials, supplies and and intermediate products	125,694	125,478	125,862	+0.2	-0.3	+0.1	125,286	124,855	126,161	126,530	-1.0
Durable goods industries :											
Nondefense capital goods [3]	83,121	82,927	82,820	+0.2	+0.1	-1.1	83,784	82,797	83,521	84,781	-1.2
Excluding aircraft and parts	56,276	55,814	55,914	+0.8	-0.2	+0.5	56,815	55,844	56,825	55,283	+2.8
Defense capital goods [4]	27,455	28,073	28,109	-2.2	-0.1	0.0	27,742	28,286	28,703	31,309	-11.4
Durables excluding capital goods	126,900	126,571	126,759	+0.3	-0.1	+0.5	126,469	126,312	127,473	125,311	+0.9
Miscellaneous series :											
Producers' durable equipment	142,537	142,343	142,451	+0.1	-0.1	+0.1	143,075	142,191	143,507	143,643	-0.4
Household durable goods	13,508	13,419	13,557	+0.7	-1.0	+0.4	13,339	13,318	13,786	12,751	+4.6
Information technology industries	30,162	29,960	29,866	+0.7	+0.3	+0.4	30,584	30,111	30,558	28,795	+6.2
Health care equipment and products	13,518	13,641	13,673	-0.9	-0.2	+0.2	13,557	13,509	13,750	13,505	+0.4

See footnotes at end of table 5.

Table 7. VALUE OF MANUFACTURERS' INVENTORIES, BY STAGE OF FABRICATION, BY INDUSTRY GROUP
(Millions of dollars)

Industry	Seasonally adjusted						Not seasonally adjusted				
	Monthly			Percent Change			Monthly				Percent change
	Oct. 1993[p]	Sept. 1993[r]	Aug. 1993	Sept.-Oct.	Aug.-Sept.	July-Aug.	Oct. 1993[p]	Sept. 1993[r]	Aug. 1993	Oct. 1992	Oct. 93/92
MATERIALS AND SUPPLIES											
All manufacturing industries	120,789	120,930	121,272	-0.1	-0.3	+0.2	120,961	120,572	121,623	121,142	-0.1
Durable goods industries	68,500	68,441	68,678	+0.1	-0.3	+0.5	68,778	68,707	69,389	68,661	+0.2
Stone, clay, and glass products	2,522	2,523	2,509	0.0	+0.6	+0.2	2,508	2,512	2,528	2,473	+1.4
Primary metals	5,923	5,945	6,144	-0.4	-3.2	-1.3	6,039	6,055	6,209	6,316	-4.4
Fabricated metal products	7,616	7,826	7,739	-2.7	+1.1	+1.2	7,540	7,873	7,811	7,960	-5.3
Industrial machinery and equipment	14,380	14,139	14,293	+1.7	-1.1	+0.2	14,470	14,150	14,452	13,868	+4.3
Electronic and other electrical equipment	10,655	10,699	10,591	-0.4	+1.0	+0.7	10,610	10,690	10,683	10,147	+4.6
Transportation equipment	11,609	11,617	11,781	-0.1	-1.4	+0.2	11,572	11,552	11,982	12,767	-9.4
Instruments and related products	6,705	6,754	6,783	-0.7	-0.4	-0.6	6,673	6,778	6,839	6,931	-3.7
Lumber, furniture and miscellaneous durable goods	9,090	8,938	8,838	+1.7	+1.1	+2.6	9,366	9,097	8,885	8,199	+14.2
Nondurable goods industries	52,289	52,489	52,594	-0.4	-0.2	-0.1	52,183	51,865	52,234	52,481	-0.6
Food and kindred products	10,017	10,073	10,120	-0.6	-0.5	0.0	10,176	9,684	9,808	10,362	-1.8
Tobacco products	5,353	5,356	5,328	-0.1	+0.5	+0.5	5,249	5,255	5,102	5,102	+2.9
Textile mill products	2,658	2,626	2,608	+1.2	+0.7	+0.2	2,569	2,580	2,631	2,560	+0.4
Paper and allied products	6,790	6,804	6,779	-0.2	+0.4	0.0	6,744	6,754	6,720	6,770	-0.4
Chemicals and allied products	11,248	11,467	11,427	-1.9	+0.4	-0.2	11,243	11,362	11,464	11,658	-3.6
Petroleum and coal products	3,034	2,998	3,099	+1.2	-3.3	-1.2	3,080	2,978	3,149	3,278	-6.0
Rubber and plastics products	4,374	4,385	4,408	-0.3	-0.5	-0.7	4,397	4,423	4,343	4,420	-0.5
Apparel, printing and publishing and leather goods	8,815	8,780	8,825	+0.4	-0.5	+0.1	8,725	8,829	9,017	8,331	+4.7
WORK IN PROCESS											
All manufacturing industries	130,072	130,033	129,743	0.0	+0.2	0.0	131,528	130,908	130,947	132,898	-1.0
Durable goods industries	106,692	106,704	106,463	0.0	+0.2	-0.1	107,661	107,410	107,568	109,570	-1.7
Stone, clay, and glass products	1,071	1,102	1,124	-2.8	-2.0	-0.5	1,028	1,086	1,126	1,119	-8.1
Primary metals	7,502	7,288	7,101	+2.9	+2.6	+2.4	7,482	7,334	7,211	7,179	+4.2
Fabricated metal products	7,754	7,622	7,671	+1.7	-0.6	+1.0	7,800	7,630	7,727	7,817	-0.2
Industrial machinery and equipment	18,445	18,387	18,338	+0.3	+0.3	+1.4	19,022	18,825	18,560	18,689	+1.8
Electronic and other electrical equipment	14,033	13,902	14,001	+0.9	-0.7	+0.2	14,029	13,877	14,221	12,851	+9.2
Transportation equipment	43,479	44,017	43,916	-1.2	+0.2	-1.4	43,817	44,211	44,094	47,300	-7.4
Instruments and related products	9,718	9,689	9,679	+0.3	+0.1	-0.7	9,846	9,754	9,932	10,509	-6.3
Lumber, furniture and miscellaneous durable goods	4,690	4,697	4,633	-0.1	+1.4	+1.7	4,637	4,693	4,697	4,106	+12.9
Nondurable goods industries	23,380	23,329	23,280	+0.2	+0.2	+0.3	23,867	23,498	23,379	23,328	+2.3
Food and kindred products	4,002	3,840	3,755	+4.2	+2.3	-0.3	4,381	3,857	3,512	4,112	+6.5
Tobacco products	165	180	178	-8.3	+1.1	-1.7	239	207	144	178	+34.3
Textile mill products	2,513	2,506	2,464	+0.3	+1.7	+0.2	2,521	2,542	2,495	2,397	+5.2
Paper and allied products	1,195	1,223	1,232	-2.3	-0.7	+1.3	1,142	1,201	1,247	1,168	-2.2
Chemicals and allied products	5,775	5,760	5,763	+0.3	-0.1	-0.2	5,790	5,736	5,828	5,529	+4.7
Petroleum and coal products	2,417	2,451	2,613	-1.4	-6.2	-0.3	2,497	2,495	2,645	2,961	-15.7
Rubber and plastics products	1,751	1,727	1,718	+1.4	+0.5	+0.8	1,786	1,721	1,724	1,638	+9.0
Apparel, printing and publishing and leather goods	5,562	5,642	5,557	-1.4	+1.5	+1.4	5,511	5,739	5,784	5,345	+3.1
FINISHED GOODS											
All manufacturing industries	129,389	129,726	130,377	-0.3	-0.5	-0.3	128,747	128,746	131,111	130,300	-1.2
Durable goods industries	62,284	62,426	62,547	-0.2	-0.2	-0.8	61,556	61,278	62,740	63,170	-2.6
Stone, clay, and glass products	4,024	3,976	3,988	+1.2	-0.3	-1.7	3,829	3,792	3,921	3,973	-3.6
Primary metals	5,954	6,008	6,139	-0.9	-2.1	-0.1	5,939	6,011	6,136	6,184	-4.0
Fabricated metal products	7,723	7,818	7,873	-1.2	-0.7	-0.2	7,507	7,583	7,766	7,643	-1.8
Industrial machinery and equipment	12,950	12,958	12,839	-0.1	+0.9	-0.7	12,901	12,656	13,021	13,859	-6.9
Electronic and other electrical equipment	8,798	8,585	8,556	+2.5	+0.3	+0.3	8,708	8,433	8,733	8,166	+6.6
Transportation equipment	7,847	8,230	8,348	-4.7	-1.4	-4.1	8,026	8,258	8,415	9,350	-14.2
Instruments and related products	6,165	6,082	6,046	+1.4	+0.6	+0.3	6,173	6,019	6,054	5,922	+4.2
Lumber, furniture and miscellaneous durable goods	8,823	8,769	8,758	+0.6	+0.1	+0.1	8,473	8,526	8,694	8,073	+5.0
Nondurable goods industries	67,105	67,300	67,830	-0.3	-0.8	+0.1	67,191	67,468	68,371	67,130	+0.1
Food and kindred products	15,934	15,921	16,063	+0.1	-0.9	-1.3	16,982	16,867	16,741	17,055	-0.4
Tobacco products	1,062	1,166	1,206	-8.9	-3.3	-2.0	1,151	1,125	1,241	1,506	-23.6
Textile mill products	4,061	4,072	4,100	-0.3	-0.7	-0.9	3,994	4,009	4,177	3,987	+0.2
Paper and allied products	5,633	5,573	5,703	+1.1	-2.3	+1.9	5,421	5,360	5,636	5,481	-1.1
Chemicals and allied products	17,700	17,792	17,895	-0.5	-0.6	+1.5	17,356	17,343	17,541	17,406	-0.3
Petroleum and coal products	5,235	5,228	5,312	+0.1	-1.6	-3.2	5,377	5,339	5,314	5,781	-7.0
Rubber and plastics products	6,071	6,087	6,073	-0.3	+0.2	+0.6	5,818	5,891	5,940	5,367	+8.4
Apparel, printing and publishing and leather goods	11,409	11,461	11,478	-0.5	-0.1	+0.9	11,092	11,534	11,781	10,547	+5.2

[p] Preliminary. [r] Revised.

Table 8. RATIOS OF MANUFACTURES' INVENTORIES TO SHIPMENTS AND UNFILLED ORDERS TO SHIPMENTS, BY INDUSTRY GROUP
(Based on seasonally adjusted data)

Industry	Inventory / Shipments ratio				Unfilled Orders / Shipments ratio[1]			
	Oct. 1993[p]	Sept. 1993[r]	Aug. 1993	July 1993	Oct. 1993[p]	Sept. 1993[r]	Aug. 1993	July 1993
All manufacturing industries	1.46	1.46	1.49	1.52	3.22	3.22	3 30	3.41
Durable goods industries	1.72	1.73	1.77	1.84	3.90	3.89	3.99	4.17
Stone, clay, and glass products	1.25	1.23	1.31	1.35	1.31	1.27	1.37	1.38
Primary metals	1.71	1.67	1.71	1.73	1.97	1.91	1.95	2.01
Fabricated metal products	1.62	1.63	1.65	1.67	1.59	1.62	1.65	1.70
Industrial machinery and equipment	1.90	1.86	1.90	1.93	2.27	2.22	2.27	2.30
Electronic and other electrical equipment	1.69	1.66	1.69	1.72	2.31	2.22	2.23	2.27
Transportation equipment	1.74	1.82	1.88	2.11	11.66	12.10	12.22	13.99
Instruments and related products	2.11	2.07	2.07	2.12	4.95	4.84	4.93	5.05
Nondurable goods industries	1.17	1.17	1.18	1.17	0.71	0.73	0.76	0.76
Food and kindred products	0.86	0.85	0.85	0.88	(X)	(X)	(X)	(X)
Tobacco products	2.68	2.54	3.25	2.05	(X)	(X)	(X)	(X)
Textile mill products	1.59	1.60	1.56	1.56	(NA)	(NA)	(NA)	(NA)
Paper and allied products	1.27	1.25	1.29	1.27	(NA)	(NA)	(NA)	(NA)
Chemicals and allied products	1.34	1.35	1.36	1.34	(X)	(X)	(X)	(X)
Petroleum and coal products	0.90	0.91	0.93	0.92	(X)	(X)	(X)	(X)
Rubber and plastics products	1.41	1.40	1.41	1.48	(X)	(X)	(X)	(X)

[p] Preliminary. [r] Revised. (X) Not applicable. (NA) Not available.

[1] Excludes the following industries with no unfilled orders : Wood and lumber products; glass containers; metal cans, barrels and drums; farm and garden machinery; motor vehicle assembly operations; other transportation equipment; foods and related products; tobacco; knitting mill products; apparel and related products; chemicals; petroleum and coal products; and rubber and plastics products.

Table 9. REVISIONS TO PREVIOUSLY PUBLISHED MONTHLY PERCENT CHANGES
(Based on seasonally adjusted data)

Industry	Shipments			New orders			Unfilled orders			Inventories		
	Oct.[1] 1993	Oct.[2] 1988-1992	Oct. 1992-Sept. 1993	Oct.[1] 1993	Oct.[2] 1988-1992	Oct. 1992-Sept. 1993	Oct.[1] 1993	Oct.[2] 1988-1992	Oct. 1992-Sept. 1993	Oct.[1] 1993	Oct.[2] 1988-1992	Oct. 1992-Sept. 1993
All manufacturing industries	(X)	0.2	0.2	(X)	0.2	0.2	(X)	0.0	0.1	(X)	0.0	0.1
Durable goods industries	0.0	0.2	0.2	0.6	0.3	0.3	0.1	0.1	0.1	(X)	0.1	0.1
Stone, clay, and glass products	(X)	0.5	0.5	(X)	0.7	0.8	(X)	0.2	0.4	(X)	0.3	0.1
Primary metals	0.5	0.4	0.3	0.8	0.5	1.1	0.4	0.2	0.4	(X)	0.1	0.1
Fabricated metal products	(X)	0.2	0.2	(X)	0.6	0.5	(X)	0.2	0.4	(X)	0.1	0.3
Industrial machinery and equipment	-0.4	0.5	0.5	-0.6	0.9	0.5	0.0	0.2	0.1	(X)	0.1	0.1
Electronic and other electrical equipment	2.4	0.3	0.4	3.1	0.4	0.6	0.3	0.0	0.1	(X)	0.1	0.1
Transportation equipment	-0.6	0.2	0.6	0.4	0.5	0.9	0.2	0.0	0.1	(X)	0.0	0.1
Instruments and related products	(X)	0.3	0.4	(X)	0.3	1.2	(X)	0.1	0.2	(X)	0.3	0.3
Nondurable goods industries	(X)	0.1	0.1	(X)	0.1	0.1	(X)	0.4	0.3	(X)	0.1	0.0
Food and kindred products	(X)	0.2	0.1	(X)	(X)	(X)	(X)	(X)	(X)	(X)	0.2	0.1
Tobacco products	(X)	0.3	0.3	(X)	(X)	(X)	(X)	(X)	(X)	(X)	0.0	0.1
Textile mill products	(X)	0.7	0.2	(X)	(NA)	(NA)	(X)	(NA)	(NA)	(X)	0.1	0.1
Paper and allied products	(X)	0.2	0.3	(X)	(NA)	(NA)	(X)	(NA)	(NA)	(X)	0.1	0.1
Chemicals and allied products	(X)	0.2	0.2	(X)	(X)	(X)	(X)	(X)	(X)	(X)	0.1	0.2
Petroleum and coal products	(X)	0.3	0.4	(X)	(X)	(X)	(X)	(X)	(X)	(X)	0.2	0.3
Rubber and plastics products	(X)	0.4	0.2	(X)	(X)	(X)	(X)	(X)	(X)	(X)	0.1	0.2
Capital goods industries :												
Nondefense	-0.1	0.3	0.4	0.4	0.7	0.7	0.1	0.1	0.1	(X)	0.1	0.1
Defense	-3.1	0.2	0.6	0.9	0.7	1.5	0.2	0.0	0.1	(X)	0.2	0.2

(X) Not applicable. (NA) Not available.

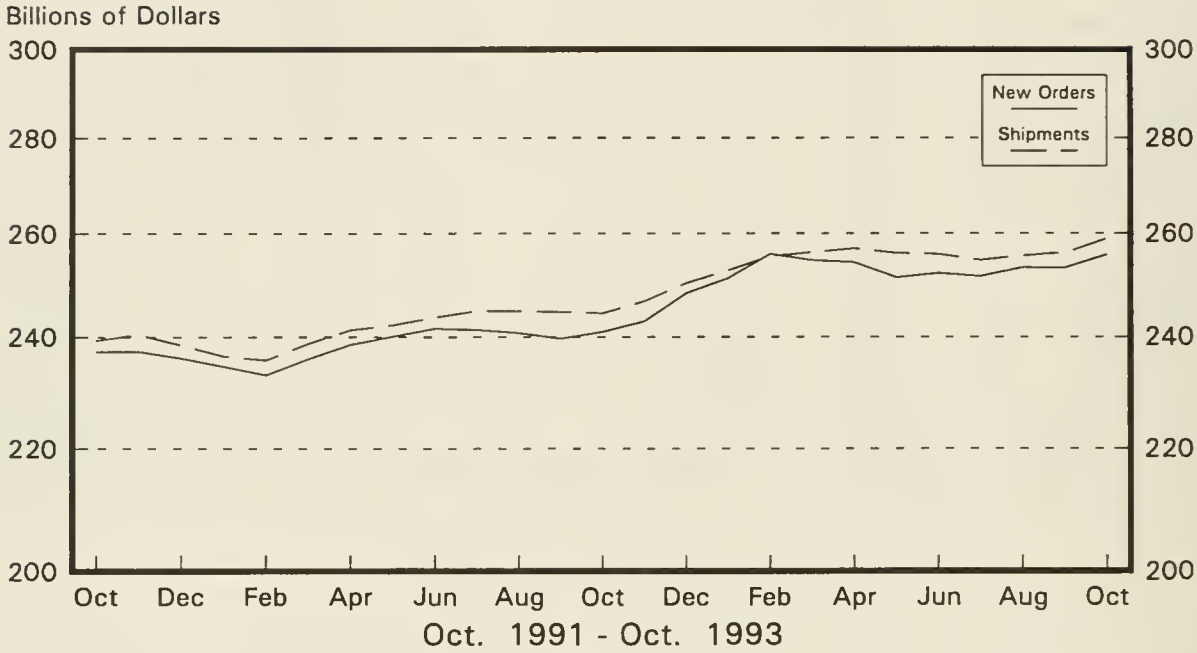
Note : The five year and the twelve month revisions are the differences between the month-to-month percent changes of the preliminary and final estimates. The monthly averages are the simple averages of the absolute values of the differences for the months specified. The advance to final percent change revisions for the durable goods industries are shown in the advance report for the month.

[1] The current month revisions are the difference between the advance precent change and the percent change as shown in this publication.

[2] Average for this month for the last five years.

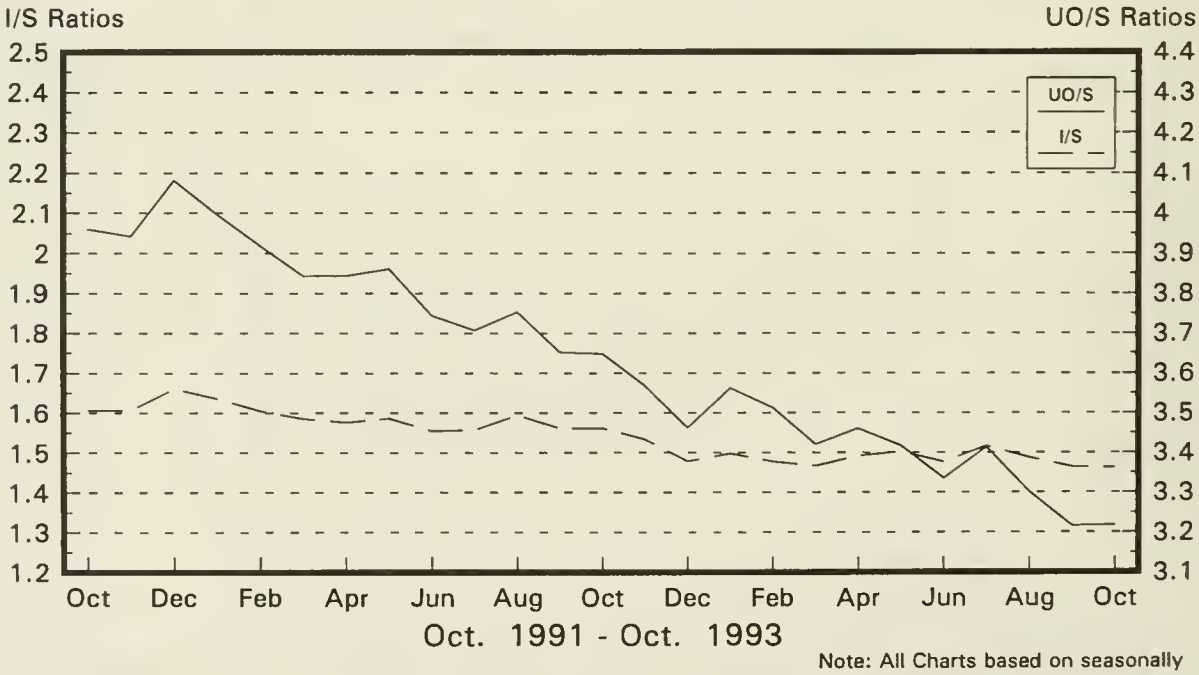
Total Manufacturing

New Orders and Shipments
Three Month Moving Averages



Total Manufacturing

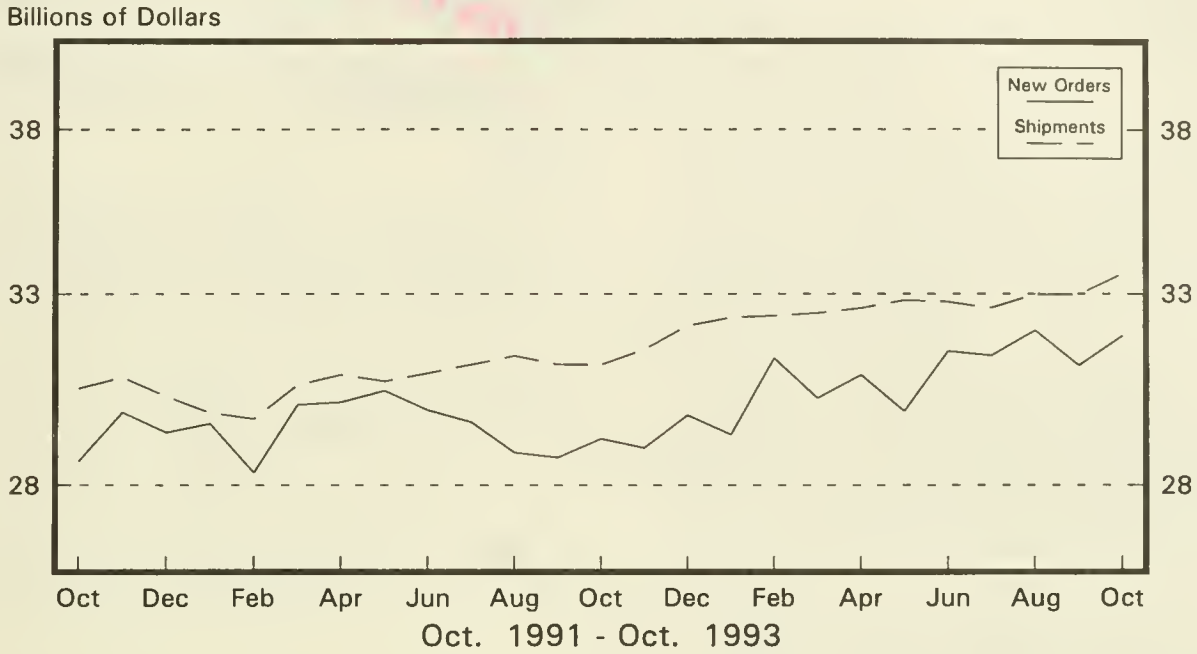
Ratio of Unfilled Orders and
Inventories to Shipments



Note: All Charts based on seasonally adjusted current dollars.

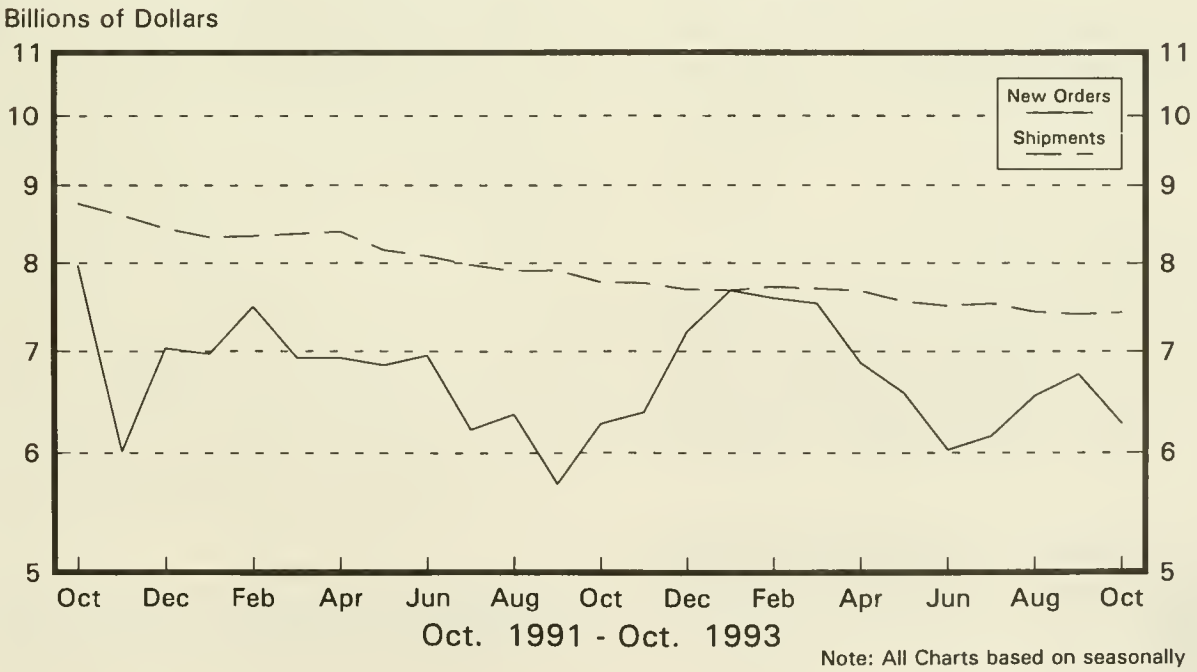
Nondefense Capital Goods

New Orders and Shipments
Three Month Moving Averages



Defense Capital Goods

New Orders and Shipments
Three Month Moving Averages



Note: All Charts based on seasonally adjusted current dollars.

U.S. Department of Commerce
BUREAU OF THE CENSUS
Washington, D.C. 20233

Official Business
Penalty for Private Use, $300

U.S.MAIL

POSTAGE AND FEES PAI
U S DEPARTMENT OF COMMERC
COM-20

First Class Mail

SUPERINTENDENT OF DOCUMENTS
FEB 15 1994

PUBLICATION DATES FOR THE 1994 MONTHLY M3 SURVEY
MANUFACTURERS' SHIPMENTS, INVENTORIES, AND ORDERS

Report Covering	Advance Report Release Dates (8:30 a.m. release time)	Regular Report Release Dates (10:00 a.m. release time)
December 1993	Thur., Jan. 27	Thurs., Feb. 3
January 1994	Thur., Feb. 24	Thurs., Mar. 3
February 1994	Wed., Mar. 23	Wed., Mar. 30
March 1994	Wed., Apr. 27	Wed., May 4
April 1994	Wed., May 25	Thurs., June 2
May 1994	Thur., June 23	Thur., June 30
June 1994	Wed., July 27	Wed., Aug. 3
July 1994	Wed., Aug. 24	Wed., Aug. 31
August 1994	Wed., Sept. 28	Wed., Oct. 5
September 1994	Wed., Oct. 26	Wed., Nov. 2
October 1994	Wed., Nov. 23	Fri., Dec. 2
November 1994	Fri., Dec. 23	Thur., Jan 5, 1995

The Manufacturers' Shipments, Inventories, and Orders press release can be faxed to you on the day of issue at a cost of $120 per year. The fee is to cover the subscription service, wire transmission, and administrative costs. If you wish to subscribe to this service, or would like more information, please call Sandy Sollinger at (301) 763-2604.

3.158:M 3-1(93)-11

rent Industrial Reports, Manufac...

GOVERNMENT DOCUMENTS DEPOSITORY

APR 12 1994

BOSTON PUBLIC LIBRARY GOVERNMENT DOCUMENTS DEPARTMENT

Manufacturers' Shipments, Inventories, and Orders

U. S. Department of Commerce
Economics and Statistics Administration
BUREAU OF THE CENSUS

November 1993
M3-1-(93)-11
For Wire Transmissions 10:00 a.m. E.S.T. January 5, 1994

Steve Andrews or Kathy Menth
(301)763-2502 or (301)763-2575

Note: All figures in text are in seasonally adjusted current dollars

Summary

New orders for manufactured goods in November increased $3.7 billion or 1.4 percent to $262.0 billion, the Department of Commerce, Bureau of the Census reported today. This follows a 1.2 percent October increase and is the fourth monthly increase in a row. Year-to-date new orders for 1993 are 6.1 percent above the same period last year.

Shipments increased $4.3 billion or 1.6 percent to $264.7 billion. This follows a 0.1 percent increase in October and is the fourth consecutive monthly increase. Year-to-date shipments for 1993 are 5.8 percent above the same period last year.

Unfilled orders decreased $2.7 billion or 0.6 percent to $445.4 billion, the lowest level since May 1988. This is the ninth monthly decline in a row and twenty-fourth in the last twenty-seven months. The unfilled orders-to-shipments ratio decreased from 3.21 in October to 3.13 in November, the lowest since March 1977.

Inventories increased $0.5 billion or 0.1 percent to $380.8 billion, the first increase since July. The inventories-to-shipments ratio decreased from 1.46 in October to 1.44 in November, the lowest on record.

New Orders

New orders for durable goods in November increased $2.6 billion or 1.9 percent to $139.2 billion. This follows a 2.6 percent increase in October and is the fourth consecutive monthly increase. Eight of the ten major groups had increases. The largest increase was in transportation equipment, up $1.7 billion or 5.3 percent to $34.5 billion, due to aircraft and parts and motor vehicles and parts. Excluding transportation equipment, new orders increased $0.9 billion or 0.8 percent. Industrial machinery and equipment, up for the fifth month in a row, increased $1.2 billion or 4.9 percent to $26.3 billion, due to computer and office equipment and metalworking machinery. Electronic and other electrical equipment had the largest decrease, down $1.7 billion or 7.7 percent to $19.9 billion, due to electronic components.

New orders for nondurable goods increased $1.2 billion or 0.9 percent to $122.8 billion, as increases, led by chemicals and allied products and paper and allied products, more than offset decreases, led by petroleum and coal products. This follows a 0.4 percent decrease in October and is the second increase in the last three months.

Shipments

Shipments of durable goods in November increased $3.8 billion or 2.7 percent to $141.9 billion. This follows a 0.5 percent increase in October and is the fourth consecutive monthly increase. All major groups increased. Industrial machinery and equipment, up four of the last five months, had the largest increase, up $0.9 billion or 3.6 percent to $25.2 billion, with increases in nearly all categories. Transportation equipment, up four months in a row, increased $0.5 billion or 1.3 percent to $36.8 billion, as increases in motor vehicles and parts and railroad equipment more than offset a decline in aircraft and parts.

Shipments of nondurable goods increased $0.5 billion or 0.4 percent to $122.8 billion, following a 0.2 percent decrease in October. This is the second increase in the last three months. The largest increase was in chemicals and allied products, up $0.7 billion or 2.5 percent to $26.6 billion. Petroleum and coal products, down seven of the last eight months, had the largest decrease, down $0.4 billion or 3.5 percent to $11.3 billion.

Unfilled Orders

Unfilled orders for durable goods in November decreased $2.7 billion or 0.6 percent to $424.3 billion, the lowest level since May 1988. This is the ninth consecutive monthly decline and twenty-eighth in the last thirty-three months. Transportation equipment, down for the nineteenth consecutive month, had the largest decrease, down $2.3 billion or 1.1 percent to $216.0 billion, due to aircraft and parts and shipbuilding and tanks. This is the lowest level since January 1989. Excluding transportation equipment, unfilled orders were down $0.4 billion or 0.2 percent. Industrial machinery and equipment, up for the fifth consecutive month, had the largest increase, up $1.0 billion or 2.0 percent to $52.7 billion, primarily due to computer and office equipment. Unfilled orders for nondurable goods was unchanged at $21.1 billion, following six consecutive monthly declines.

Inventories

Inventories for durable goods in November increased $0.7 billion or 0.3 percent to $238.3 billion. Transportation equipment, up for the first time since May, had the largest increase, up $0.5 billion or 0.8 percent to $63.5 billion, due to aircraft and parts. Excluding transportation equipment, inventories increased $0.2 billion or 0.1 percent. Electronic and other electrical equipment increased $0.4 billion or 1.1 percent to $33.9 billion. Nondurable goods inventories decreased $0.2 billion or 0.1 percent to $142.5 billion, the fifth decline in the last six months.

By stage of fabrication, finished goods increased 1.3 percent in durables and decreased 0.5 percent in nondurables. Work in process decreased 0.3 in durables and 0.1 percent in nondurables. Materials and supplies increased 0.3 percent each in durables and nondurables.

(SEE BACK PAGE FOR 1994 RELEASE DATES)

The advance report on durable goods for December is scheduled for January 27, 1994 at 8:30 a.m. and the full report on February 3, 1994 at 10:00 a.m. For sale by the Superintendent of Documents, U.S. Government Printing Office, Washington, DC 20402. This report is also available the day of issue through the Department of Commerce's online Economic Bulletin Board (N-8-1) (202-482-3870) and through the Census Bureau's online information service—CENDATA. CENDATA is available from Dialog Information Services, Inc. (1-800-334-2564) and CompuServe (1-800-848-8199). The CENDATA staff at the Bureau of the Census (301-763-2074) can provide content information and general guidance.

Table 1. VALUE OF MANUFACTURERS' SHIPMENTS FOR INDUSTRY GROUPS
(Millions of dollars)

Industry	Seasonally adjusted						Not seasonally adjusted[1]						
	Monthly			Percent Change			Monthly				Percent change	Year to date	
	Nov. 1993[p]	Oct. 1993[r]	Sept. 1993	Oct.-Nov.	Sept.-Oct.	Aug.-Sept.	Nov. 1993[p]	Oct. 1993[r]	Sept. 1993	Nov. 1992	Nov. 93/92	1993[p]	1992
All manufacturing industries	264,741	260,471	260,088	+1.6	+0.1	+1.4	265,921	272,140	277,395	249,171	+6.7	2,838,794	2,684,770
Manufacturing Industries													
with unfilled orders	142,163	139,620	140,005	+1.8	-0.3	+1.6	143,835	144,879	150,896	134,137	+7.2	1,509,636	1,437,982
without defense capital goods	257,639	252,871	252,574	+1.9	+0.1	+1.3	258,465	264,673	269,354	241,058	+7.2	2,758,688	2,598,827
Durable goods industries	141,931	138,153	137,521	+2.7	+0.5	+2.2	142,388	144,241	147,012	128,334	+11.0	1,486,499	1,374,791
With unfilled orders	112,326	109,802	110,177	+2.3	-0.3	+1.6	113,215	113,064	119,306	104,158	+8.7	1,183,402	1,117,986
Stone, clay, and glass products	6,200	6,034	6,174	+2.8	-2.3	+6.5	6,249	6,687	6,908	5,640	+10.8	65,132	61,862
Primary metals	11,793	11,354	11,527	+3.9	-1.5	+1.8	11,638	11,861	12,004	11,117	+4.7	127,184	125,801
Blast furnaces, steel mills	5,408	5,312	5,294	+1.8	+0.3	-0.5	5,284	5,499	5,431	4,780	+10.5	58,137	53,753
Iron and steel foundries	1,116	1,091	1,052	+2.3	+3.7	+2.2	1,117	1,218	1,102	1,035	+7.9	11,617	11,350
Nonferrous and other primary metals	5,269	4,951	5,181	+6.4	-4.4	+4.3	5,237	5,144	5,471	5,302	-1.2	57,430	60,698
Fabricated metal products	14,577	14,330	14,310	+1.7	+0.1	+1.3	14,504	15,312	15,164	13,426	+8.0	156,359	147,203
Industrial machinery and equipment	25,226	24,345	24,393	+3.6	-0.2	+2.1	24,639	23,723	26,590	21,046	+17.1	258,360	228,993
Engines and turbines	1,469	1,475	1,521	-0.4	-3.0	-1.5	1,429	1,398	1,731	1,372	+4.2	16,103	14,791
Farm and garden machinery	1,528	1,455	1,475	+5.0	-1.4	-0.1	1,276	1,427	1,309	1,053	+21.2	16,374	13,868
Construction, mining and material handling equipment	2,544	2,549	2,453	-0.2	+3.9	+2.5	2,435	2,628	2,499	2,093	+16.3	27,208	23,063
Metalworking machinery	2,760	2,565	2,540	+7.6	+1.0	+1.4	2,978	2,694	2,776	2,812	+5.9	28,109	26,086
Computer and office equipment	6,781	6,677	6,615	+1.6	+0.9	+0.7	6,734	5,793	8,320	5,610	+20.0	67,340	57,766
Electronic and other electrical equipment	20,392	19,882	20,042	+2.6	-0.8	+2.0	21,207	20,346	22,111	18,461	+14.9	210,862	189,729
Electrical transmission and distribution equipment and industrial apparatus	2,513	2,435	2,399	+3.2	+1.5	-0.7	2,409	2,392	2,689	2,244	+7.4	26,334	25,365
Household appliances	1,741	1,695	1,723	+2.7	-1.6	-0.3	1,694	1,700	1,811	1,541	+9.9	18,307	16,601
Electric lighting and wiring equipment	1,689	1,692	1,649	-0.2	+2.6	-0.5	1,797	1,705	1,763	1,702	+5.6	18,315	16,915
Household audio and video equipment	950	994	935	-4.4	+6.3	-1.1	1,207	1,309	1,205	1,187	+1.7	10,358	10,070
Communications equipment	4,239	4,099	3,935	+3.4	+4.2	+0.2	4,321	3,936	4,477	3,564	+21.2	41,660	37,427
Electronic components	7,045	6,773	7,280	+4.0	-7.0	+4.8	7,165	6,809	7,720	6,120	+17.1	73,774	63,474
Transportation equipment	36,795	36,321	35,164	+1.3	+3.3	+3.0	37,191	39,473	36,268	34,379	+8.2	387,787	356,249
Motor vehicles and parts	25,362	24,431	23,662	+3.8	+3.2	+7.8	25,998	27,876	23,985	21,589	+20.4	259,403	216,882
Aircraft, missiles, space vehicles, and parts	8,553	9,346	8,900	-8.5	+5.0	-10.2	8,479	8,975	9,585	10,650	-20.4	101,367	114,325
Shipbuilding and tanks	1,077	1,017	990	+5.9	+2.7	+4.8	1,051	1,028	1,026	967	+8.7	10,710	10,786
Instruments and related products	11,013	10,695	10,902	+3.0	-1.9	+0.4	11,305	10,684	11,821	10,666	+6.0	117,044	115,612
Search and navigation equipment	2,663	2,519	2,641	+5.7	-4.6	+2.4	2,963	2,447	2,856	2,953	+0.3	29,130	30,263
Measuring and controlling devices	3,044	2,985	3,000	+2.0	-0.5	+1.8	2,992	3,007	3,221	2,738	+9.3	31,903	30,739
Medical instruments and supplies	3,066	2,971	2,988	+3.2	-0.6	-0.2	3,011	2,895	3,215	2,785	+8.1	32,061	31,622
Photographic goods	1,886	1,883	1,927	+0.2	-2.3	-3.6	1,990	2,001	2,150	1,876	+6.1	20,215	19,464
All other durable goods	15,935	15,192	15,009	+4.9	+1.2	+1.8	15,655	16,155	16,146	13,599	+15.1	163,771	149,342
Nondurable goods industries	122,810	122,318	122,567	+0.4	-0.2	+0.4	123,533	127,899	130,383	120,837	+2.2	1,352,295	1,309,979
With unfilled orders	29,837	29,818	29,828	+0.1	0.0	+1.4	30,620	31,815	31,590	29,979	+2.1	326,234	319,996
Food and kindred products	34,968	34,771	34,909	+0.6	-0.4	-1.4	35,199	36,095	37,158	33,688	+4.5	378,815	362,175
Meat products	7,949	8,040	8,007	-1.1	+0.4	-0.8	7,806	8,344	8,333	7,471	+4.5	87,516	81,885
Dairy products	4,541	4,462	4,560	+1.8	-2.1	+1.0	4,600	4,452	4,720	4,461	+3.1	49,550	48,249
Beverages	5,035	4,827	5,035	+4.3	-4.1	-2.2	4,808	4,678	5,196	4,577	+5.0	54,294	52,809
All other foods, except fats and oils	15,498	15,680	15,589	-1.2	+0.6	-2.0	16,040	16,859	17,191	15,542	+3.2	168,373	161,542
Tobacco products	2,283	2,391	2,640	-4.5	-9.4	+27.9	2,523	2,205	3,150	3,162	-20.2	28,253	29,152
Textile mill products	5,805	5,807	5,763	0.0	+0.8	-2.3	5,968	6,252	6,367	5,910	+1.0	64,824	64,491
Broadwoven fabrics and other textiles	3,568	3,542	3,531	+0.7	+0.3	-0.5	3,575	3,703	3,923	3,543	+0.9	39,962	40,222
Paper and allied products	10,809	10,691	10,889	+1.1	-1.8	+2.1	10,603	10,885	11,273	10,756	-1.4	119,015	120,556
Pulp, paper, and paperboard mill products	4,347	4,295	4,305	+1.2	-0.2	-0.1	4,334	4,292	4,365	4,509	-3.9	47,927	49,091
Paperboard containers and boxes	2,665	2,585	2,637	+3.1	-2.0	0.0	2,628	2,711	2,713	2,662	-1.3	29,335	29,995
Miscellaneous converted paper products	3,797	3,811	3,947	-0.4	-3.4	+6.2	3,641	3,882	4,195	3,585	+1.6	41,753	41,470
Chemicals and allied products	26,574	25,921	25,943	+2.5	-0.1	+0.8	25,525	25,650	27,218	24,180	+5.6	288,318	276,798
Industrial chemicals	13,597	13,185	13,181	+3.1	0.0	-1.0	13,230	13,258	13,445	12,827	+3.1	148,533	144,147
Drugs, soaps, and toiletries	10,037	9,954	9,919	+0.8	+0.4	+3.5	9,826	9,967	11,291	9,132	+7.6	106,861	100,255
Petroleum and coal products	11,331	11,745	11,669	-3.5	+0.7	-1.8	11,755	12,797	12,333	13,379	-12.1	136,841	142,124
Rubber and plastics products	8,927	8,700	8,690	+2.6	+0.1	+0.8	8,513	9,070	9,054	8,155	+4.4	96,070	95,669
All other nondurable goods	22,113	22,292	22,064	-0.8	+1.0	+1.5	23,447	24,945	23,830	21,607	+8.5	240,159	219,014

[p] Preliminary. [r] Revised

[1] Shipments and new orders are the totals for the period and are adjusted for trading-day and calendar-month variations.

Table 2. VALUE OF MANUFACTURERS' NEW ORDERS FOR INDUSTRY GROUPS
(Millions of dollars)

Industry	Seasonally adjusted						Not seasonally adjusted[1]						
	Monthly			Percent Change			Monthly				Percent change	Year to date	
	Nov. 1993[p]	Oct. 1993[r]	Sept. 1993	Oct.-Nov.	Sept.-Oct.	Aug.-Sept.	Nov. 1993[p]	Oct. 1993[r]	Sept. 1993	Nov. 1992	Nov. 93/92	1993[p]	1992
All manufacturing industries	262,013	258,270	255,309	+1.4	+1.2	+0.7	262,168	268,794	270,017	242,949	+7.9	2,807,565	2,648,458
Manufacturing industries													
with unfilled orders	139,435	137,419	135,226	+1.5	+1.6	+0.3	140,082	141,533	143,518	127,915	+9.5	1,478,407	1,401,670
without defense capital goods	256,895	252,966	248,863	+1.6	+1.6	+0.8	256,305	262,703	263,389	234,896	+9.1	2,740,181	2,578,972
Durable goods industries	139,206	136,613	133,176	+1.9	+2.6	+1.1	139,182	142,295	140,258	122,583	+13.5	1,456,920	1,338,660
With unfilled orders	109,601	108,262	105,832	+1.2	+2.3	+0.1	110,009	111,118	112,552	98,407	+11.8	1,153,823	1,081,855
Stone, clay, and glass products	6,161	5,924	6,133	+4.0	-3.4	+5.1	5,943	6,376	6,659	5,415	+9.8	65,663	62,089
Primary metals	11,841	11,685	11,517	+1.3	+1.5	+4.3	11,532	11,589	11,207	10,960	+5.2	127,518	123,298
Blast furnaces, steel mills	5,529	5,511	5,394	+0.3	+2.2	+3.8	5,218	5,355	5,073	4,662	+11.9	59,382	52,391
Iron and steel foundries	1,156	1,175	1,153	-1.6	+1.9	+25.1	1,144	1,325	1,171	1,050	+9.0	11,863	11,211
Nonferrous and other primary metals	5,156	4,999	4,970	+3.1	+0.6	+1.0	5,170	4,909	4,963	5,248	-1.5	56,273	59,696
Fabricated metal products	14,031	13,876	14,164	+1.1	-2.0	+0.8	13,712	14,731	15,034	13,195	+3.9	153,411	145,610
Industrial machinery and equipment	26,258	25,023	24,528	+4.9	+2.0	+1.8	25,939	24,428	26,434	20,849	+24.4	260,864	226,790
Engines and turbines	1,301	1,432	1,717	-9.1	-16.6	+10.9	1,347	1,466	1,981	1,460	-7.7	16,372	15,352
Construction, mining and material handling equipment	2,615	2,636	2,404	-0.8	+9.7	-4.4	2,517	2,759	2,427	2,061	+22.1	27,390	22,979
Metalworking machinery	2,877	2,370	2,563	+21.4	-7.5	-2.6	3,095	2,499	2,799	2,529	+22.4	27,721	25,164
Computer and office equipment	7,493	6,789	6,305	+10.4	+7.7	-1.0	7,568	5,880	7,896	5,469	+38.4	68,066	56,615
Electronic and other electrical equipment	19,853	21,504	20,581	-7.7	+4.5	+3.7	20,625	22,101	22,188	18,383	+12.2	213,965	190,417
Electrical transmission and distribution equipment and industrial apparatus	2,510	2,465	2,430	+1.8	+1.4	-2.4	2,405	2,406	2,710	2,234	+7.7	26,632	24,920
Electric lighting and wiring equipment	1,802	1,714	1,588	+5.1	+7.9	-4.2	1,910	1,727	1,702	1,715	+11.4	18,607	16,714
Communications equipment	4,269	4,427	4,984	-3.6	-11.2	+20.0	4,350	4,369	5,563	3,399	+28.0	43,371	37,485
Electronic components	6,222	7,810	6,785	-20.3	+15.1	-1.5	6,380	7,785	6,849	6,384	-0.1	73,575	64,509
Transportation equipment	34,489	32,768	31,012	+5.3	+5.7	-1.1	35,358	36,568	31,632	29,344	+20.5	357,717	329,219
Aircraft, missiles, space vehicles, and parts	6,831	5,602	4,475	+21.9	+25.2	-37.2	7,263	5,916	4,732	6,169	+17.7	71,238	91,434
Shipbuilding and tanks	504	694	1,472	-27.4	-52.9	+61.1	465	689	1,484	387	+20.2	9,623	6,183
Instruments and related products	10,630	10,587	10,158	+0.4	+4.2	-4.4	10,776	10,632	11,149	10,822	-0.4	113,323	111,215
Search and navigation equipment	2,047	2,193	2,468	-6.7	-11.1	-6.2	2,233	2,251	2,729	3,136	-28.8	26,217	26,274
Measuring and controlling devices	3,199	3,042	2,640	+5.2	+15.2	-6.6	3,147	3,064	2,861	2,718	+15.8	31,589	30,136
Medical instruments and supplies	3,085	3,168	2,757	-2.6	+14.9	-2.9	3,030	3,092	2,984	2,832	+7.0	31,557	31,987
All other durable goods	15,943	15,246	15,083	+4.6	+1.1	+1.3	15,297	15,870	15,955	13,615	+12.4	164,459	150,022
Nondurable goods industries	122,807	121,657	122,133	+0.9	-0.4	+0.3	122,986	126,499	129,759	120,366	+2.2	1,350,645	1,309,798
With unfilled orders	29,834	29,157	29,394	+2.3	-0.8	+1.1	30,073	30,415	30,966	29,508	+1.9	324,584	319,815

[p] Preliminary. [r] Revised.

[1] Shipments and new orders are the totals for the period and are adjusted for trading-day and calendar-month variations.

(n) When new orders for a prior month are negative because of cancellations, the percentage change calculation is algebraically negative, even though there is a net dollar crease from the prior month to the current month.

Table 3. VALUE OF MANUFACTURERS' UNFILLED ORDERS FOR INDUSTRY GROUPS
(Millions of dollars)

Industry	Seasonally adjusted						Not seasonally adjusted				
	Monthly			Percent Change			Monthly				Percent change
	Nov. 1993[p]	Oct. 1993[r]	Sept. 1993	Oct.-Nov.	Sept.-Oct.	Aug.-Sept.	Nov. 1993[p]	Oct. 1993[r]	Sept. 1993	Nov. 1992	Nov. 93/92
All manufacturing industries	445,392	448,120	450,321	-0.6	-0.5	-1.1	440,957	444,710	448,056	471,455	-6.5
Manufacturing industries without defense capital goods	327,816	328,560	328,465	-0.2	0.0	-1.1	323,899	326,059	328,029	342,463	-5.4
Durable goods industries	424,255	426,980	428,520	-0.6	-0.4	-1.0	420,546	423,752	425,698	449,259	-6.4
Stone, clay, and glass products	7,163	7,202	7,312	-0.5	-1.5	-0.6	6,923	7,229	7,540	6,767	+2.3
Primary metals	22,453	22,405	22,074	+0.2	+1.5	0.0	21,010	21,116	21,388	19,311	+8.8
Blast furnaces, steel mills	10,485	10,364	10,157	+1.2	+2.0	-0.1	9,667	9,733	9,877	7,411	+30.4
Iron and steel foundries	3,107	3,067	2,983	+1.3	+2.8	+3.5	3,076	3,049	2,942	2,819	+9.1
Nonferrous and other primary metals	8,861	8,974	8,926	-1.3	+0.5	-2.3	8,267	8,334	8,569	9,081	-9.0
Fabricated metal products	20,224	20,770	21,224	-2.6	-2.1	-0.7	19,813	20,605	21,186	22,337	-11.3
Industrial machinery and equipment	52,675	51,643	50,965	+2.0	+1.3	+0.3	52,623	51,323	50,618	50,556	+4.1
Engines and turbines	10,009	10,177	10,220	-1.7	-0.4	+2.0	10,325	10,407	10,339	10,065	+2.6
Construction, mining and material handling equipment	5,869	5,798	5,711	+1.2	+1.5	-0.9	5,781	5,699	5,568	5,622	+2.8
Metalworking machinery	6,945	6,828	7,023	+1.7	-2.8	+0.3	6,945	6,828	7,023	7,555	-8.1
Computer and office equipment	7,633	6,921	6,809	+10.3	+1.6	-4.4	7,847	7,013	6,926	7,496	+4.7
Electronic and other electrical equipment	45,536	46,075	44,453	-1.2	+3.6	+1.2	45,190	45,772	44,017	42,256	+6.9
Electrical transmission and distribution equipment and industrial apparatus	5,872	5,875	5,845	-0.1	+0.5	+0.5	5,850	5,854	5,840	5,764	+1.5
Electric lighting and wiring equipment	3,272	3,159	3,137	+3.6	+0.7	-1.9	3,272	3,159	3,137	2,922	+12.0
Communications equipment	15,059	15,029	14,701	+0.2	+2.2	+7.7	15,133	15,104	14,671	13,293	+13.8
Electronic components	15,913	16,736	15,699	-4.9	+6.6	-3.1	15,483	16,268	15,292	15,514	-0.2
Transportation equipment	216,030	218,336	221,889	-1.1	-1.6	-1.8	215,776	217,609	220,514	246,853	-12.6
Aircraft, missiles, space vehicles, and parts	187,243	188,965	192,709	-0.9	-1.9	-2.2	187,047	188,263	191,322	218,487	-14.4
Shipbuilding and tanks	20,119	20,692	21,015	-2.8	-1.5	+2.3	20,127	20,713	21,052	21,073	-4.5
Instruments and related products	52,308	52,691	52,799	-0.7	-0.2	-1.4	51,866	52,395	52,447	53,923	-3.8
Search and navigation equipment	34,638	35,254	35,580	-1.7	-0.9	-0.5	34,242	34,972	35,168	35,909	-4.6
Measuring and controlling devices	8,874	8,719	8,662	+1.8	+0.7	-4.0	8,874	8,719	8,662	8,617	+3.0
Medical instruments and supplies	7,919	7,900	7,703	+0.2	+2.6	-2.9	7,919	7,900	7,703	8,593	-7.8
All other durable goods	7,866	7,858	7,804	+0.1	+0.7	+1.0	7,345	7,703	7,988	7,256	+1.2
Nondurable goods industries	21,137	21,140	21,801	0.0	-3.0	-2.0	20,411	20,958	22,358	22,196	-8.0

[p] Preliminary. [r] Revised.

Table 4. VALUE OF MANUFACTURERS' INVENTORIES FOR INDUSTRY GROUPS
(Millions of dollars)

Industry	Seasonally adjusted						Not seasonally adjusted				
	Monthly			Percent Change			Monthly				Percent change
	Nov. 1993[p]	Oct. 1993[r]	Sept. 1993	Oct.-Nov.	Sept.-Oct.	Aug.-Sept.	Nov. 1993[p]	Oct. 1993[r]	Sept. 1993	Nov. 1992	Nov. 93/92
All manufacturing industries	380,841	380,301	380,689	+0.1	-0.1	-0.2	380,895	381,337	380,226	381,313	-0.1
Manufacturing industries											
with unfilled orders	251,488	251,024	251,213	+0.2	-0.1	-0.2	251,151	251,455	251,254	253,703	-1.0
without defense capital goods	353,150	352,773	352,616	+0.1	0.0	-0.2	353,086	353,563	351,940	351,198	+0.5
Durable goods industries	238,334	237,632	237,571	+0.3	0.0	0.0	238,679	238,113	237,395	239,602	-0.4
With unfilled orders	218,178	217,742	217,844	+0.2	0.0	-0.2	218,417	218,470	217,932	220,841	-1.1
Stone, clay, and glass products	7,531	7,594	7,601	-0.8	-0.1	-0.3	7,338	7,365	7,390	7,664	-4.3
Primary metals	19,227	19,328	19,241	-0.5	+0.5	-0.7	19,215	19,452	19,400	19,456	-1.2
Blast furnaces, steel mills	9,470	9,470	9,369	0.0	+1.1	-0.8	9,584	9,517	9,434	9,852	-2.7
Iron and steel foundries	1,408	1,406	1,391	+0.1	+1.1	-0.1	1,374	1,382	1,375	1,374	0.0
Nonferrous and other primary metals	8,349	8,452	8,481	-1.2	-0.3	-0.8	8,257	8,553	8,591	8,230	+0.3
Fabricated metal products	23,041	23,139	23,266	-0.4	-0.5	-0.1	22,763	22,874	23,086	23,315	-2.4
Industrial machinery and equipment	45,969	45,828	45,484	+0.3	+0.8	0.0	46,725	46,455	45,631	46,660	+0.1
Engines and turbines	3,556	3,564	3,522	-0.2	+1.2	-2.4	3,752	3,733	3,554	3,708	+1.2
Farm and garden machinery	2,533	2,367	2,259	+7.0	+4.8	+2.3	2,584	2,289	2,198	2,436	+6.1
Construction, mining and material handling equipment	5,684	5,733	5,776	-0.9	-0.7	-0.2	5,610	5,677	5,727	5,884	-4.7
Metalworking machinery	5,212	5,187	5,153	+0.5	+0.7	-0.5	5,254	5,251	5,215	5,370	-2.2
Computer and office equipment	10,662	10,681	10,645	-0.2	+0.3	+0.7	11,163	11,189	10,930	10,917	+2.3
Electronic and other electrical equipment	33,879	33,520	33,186	+1.1	+1.0	+0.1	33,504	33,379	33,000	30,993	+8.1
Electrical transmission and distribution equipment and industrial apparatus	4,303	4,310	4,325	-0.2	-0.3	-0.9	4,286	4,290	4,314	4,421	-3.1
Household appliances	2,572	2,548	2,488	+0.9	+2.4	-0.9	2,449	2,431	2,348	2,337	+4.8
Electric lighting and wiring equipment	2,868	2,809	2,850	+2.1	-1.4	-2.4	2,865	2,825	2,861	2,920	-1.9
Household audio and video equipment	1,026	1,014	1,052	+1.2	-3.6	-8.1	974	1,025	1,097	1,065	-8.5
Communications equipment	9,239	9,048	8,779	+2.1	+3.1	+1.4	9,150	8,974	8,644	7,287	+25.6
Electronic components	10,701	10,529	10,295	+1.6	+2.3	+1.7	10,680	10,573	10,338	9,535	+12.0
Transportation equipment	63,521	63,002	63,864	+0.8	-1.3	-0.3	64,277	63,385	64,021	68,184	-5.7
Motor vehicles and parts	11,336	11,391	11,411	-0.5	-0.2	-0.6	11,768	11,666	11,647	12,081	-2.6
Aircraft, missiles, space vehicles, and parts	47,991	47,431	48,317	+1.2	-1.8	+0.2	48,365	47,667	48,283	51,875	-6.8
Shipbuilding and tanks	1,661	1,632	1,591	+1.8	+2.6	-8.2	1,622	1,574	1,584	1,780	-8.9
Instruments and related products	22,398	22,604	22,525	-0.9	+0.4	+0.1	22,363	22,718	22,551	23,081	-3.1
Search and navigation equipment	5,817	6,016	5,982	-3.3	+0.6	+2.8	5,814	6,123	6,038	6,717	-13.4
Measuring and controlling devices	6,560	6,562	6,494	0.0	+1.0	-1.5	6,540	6,554	6,488	6,533	+0.1
Medical instruments and supplies	6,244	6,249	6,270	-0.1	-0.3	-0.7	6,281	6,279	6,235	6,384	-1.6
Photographic goods	2,952	2,950	2,970	+0.1	-0.7	-0.5	2,920	2,954	3,005	2,738	+6.6
All other durable goods	22,768	22,617	22,404	+0.7	+1.0	+0.8	22,494	22,485	22,316	20,249	+11.1
Nondurable goods industries	142,507	142,669	143,118	-0.1	-0.3	-0.4	142,216	143,224	142,831	141,711	+0.4
With unfilled orders	33,310	33,282	33,369	+0.1	-0.3	-0.3	32,734	32,985	33,322	32,862	-0.4
Food and kindred products	29,894	29,919	29,834	-0.1	+0.3	-0.3	31,320	31,524	30,408	31,162	+0.5
Meat products	3,111	3,155	3,201	-1.4	-1.4	0.0	3,173	3,175	3,156	2,947	+7.7
Dairy products	2,761	2,772	2,740	-0.4	+1.2	-0.4	2,664	2,754	2,743	2,610	+2.1
Beverages	5,325	5,305	5,299	+0.4	+0.1	-0.4	5,373	5,371	5,316	5,423	-0.9
All other foods, except fats and oils	17,209	17,141	17,133	+0.4	0.0	+0.1	18,448	18,551	17,922	18,559	-0.6
Tobacco products	6,670	6,588	6,702	+1.2	-1.7	-0.1	6,530	6,635	6,587	6,584	-0.8
Textile mill products	9,401	9,262	9,204	+1.5	+0.6	+0.3	9,128	9,085	9,131	8,852	+3.1
Broadwoven fabrics and other textiles	5,318	5,251	5,213	+1.3	+0.7	+0.5	5,249	5,173	5,116	5,250	0.0
Paper and allied products	13,510	13,579	13,600	-0.5	-0.2	-0.8	13,333	13,302	13,315	13,523	-1.4
Pulp, paper, and paperboard mill products	5,803	5,809	5,792	-0.1	+0.3	+0.2	5,710	5,695	5,676	5,672	+0.7
Paperboard containers and boxes	3,165	3,197	3,187	-1.0	+0.3	-0.6	3,095	3,106	3,136	3,178	-2.6
Miscellaneous converted paper products	4,542	4,573	4,621	-0.7	-1.0	-2.3	4,528	4,501	4,503	4,673	-3.1
Chemicals and allied products	34,583	34,691	35,019	-0.3	-0.9	-0.2	34,461	34,372	34,441	34,759	-0.9
Industrial chemicals	16,862	16,981	17,143	-0.7	-0.9	-0.6	16,693	16,725	16,935	17,246	-3.2
Drugs, soaps, and toiletries	13,445	13,405	13,583	+0.3	-1.3	+0.2	13,485	13,424	13,403	13,167	+2.4
Petroleum and coal products	10,466	10,649	10,677	-1.7	-0.3	-3.1	10,659	10,947	10,812	11,688	-8.8
Rubber and plastics products	12,257	12,209	12,199	+0.4	+0.1	0.0	12,174	12,002	12,035	11,615	+4.8
All other nondurable goods	25,726	25,772	25,883	-0.2	-0.4	+0.1	24,611	25,357	26,102	23,528	+4.6

[p] Preliminary. [r] Revised.

Table 5. VALUE OF MANUFACTURERS' SHIPMENTS AND NEW ORDERS FOR TOPICAL SERIES[1]
(Millions of dollars)

Industry	Seasonally adjusted						Not seasonally adjusted [2]						
	Monthly			Percent Change			Monthly				Percent change	Year to date	
	Nov. 1993[p]	Oct. 1993[r]	Sept. 1993	Oct.-Nov.	Sept.-Oct.	Aug.-Sept.	Nov. 1993[p]	Oct. 1993[r]	Sept. 1993	Nov. 1992	Nov. 93/92	1993[p]	1992
SHIPMENTS													
All manufacturing industries	264,741	260,471	260,088	+1.6	+0.1	+1.4	265,921	272,140	277,395	249,171	+6.7	2,838,794	2,684,770
Market categories :													
Automotive equipment	12,862	12,485	12,005	+3.0	+4.0	+7.1	13,150	14,241	12,277	10,919	+20.4	132,255	110,919
Home goods and apparel	18,202	18,097	18,023	+0.6	+0.4	+0.9	19,274	20,484	20,207	17,286	+11.5	196,182	174,773
Consumer staples	56,608	56,906	57,294	-0.5	-0.7	+0.8	57,300	58,792	61,833	56,975	+0.6	625,991	607,291
Machinery and equipment	46,153	44,675	44,157	+3.3	+1.2	0.0	45,968	45,245	47,525	40,809	+12.6	477,263	434,631
Business supplies	19,519	19,461	19,466	+0.3	0.0	+0.9	19,964	20,856	20,300	19,485	+2.5	215,219	210,606
Construction materials and supplies	17,445	16,819	16,730	+3.7	+0.5	+2.1	17,015	17,856	18,107	15,265	+11.5	182,900	169,708
Defense products	7,454	7,919	7,762	-5.9	+2.0	+5.0	7,702	7,801	8,309	8,146	-5.5	83,133	87,688
Other materials, supplies and and intermediate products	86,498	84,109	84,651	+2.8	-0.6	+1.4	85,548	86,865	88,837	80,286	+6.6	925,851	889,154
Durable goods industries :													
Nondefense capital goods [3]	34,847	33,704	33,375	+3.4	+1.0	-1.3	34,287	32,527	36,937	31,088	+10.3	359,144	336,195
Excluding aircraft and parts	30,061	28,681	28,626	+4.8	+0.2	+3.1	29,674	27,839	31,810	24,937	+19.0	301,435	269,724
Defense capital goods [4]	7,102	7,600	7,514	-6.6	+1.1	+5.7	7,456	7,467	8,041	8,113	-8.1	80,106	85,943
Durables excluding capital goods	99,982	96,849	96,632	+3.2	+0.2	+3.3	100,645	104,247	102,034	89,133	+12.9	1,047,249	952,653
Miscellaneous series :													
Producers' durable equipment	91,065	88,181	87,261	+3.3	+1.1	+1.9	91,681	92,639	93,260	80,532	+13.8	944,378	853,642
Household durable goods	7,737	7,544	7,604	+2.6	-0.8	+1.5	8,255	8,446	8,694	7,610	+8.5	82,167	76,331
Information technology industries	16,225	15,859	15,692	+2.3	+1.1	+0.3	16,353	14,979	18,404	14,047	+16.4	163,810	148,055
Health care equipment and products	8,512	8,369	8,370	+1.7	0.0	+2.1	8,341	8,305	9,330	7,738	+7.8	90,040	86,023
NEW ORDERS													
All manufacturing industries	262,013	258,270	255,309	+1.4	+1.2	+0.7	262,168	268,794	270,017	242,949	+7.9	2,807,565	2,648,458
Market categories :													
Automotive equipment	12,901	12,546	11,991	+2.8	+4.6	+7.0	13,181	14,321	12,235	10,930	+20.6	132,503	110,883
Home goods and apparel	18,171	17,793	17,837	+2.1	-0.2	+0.5	18,482	19,525	19,692	16,611	+11.3	196,508	175,511
Consumer staples	56,607	56,874	57,311	-0.5	-0.8	+0.9	57,274	58,733	61,869	56,957	+0.6	625,949	607,343
Machinery and equipment	46,176	44,230	42,271	+4.4	+4.6	-0.9	46,184	44,707	45,293	36,196	+27.6	462,872	418,990
Business supplies	19,414	19,525	19,435	-0.6	+0.5	+0.5	19,774	20,745	20,273	19,348	+2.2	214,770	210,280
Construction materials and supplies	17,480	16,647	16,515	+5.0	+0.8	+0.8	16,852	17,458	17,731	15,169	+11.1	182,543	169,673
Defense products	5,338	5,765	6,654	-7.4	-13.4	-3.9	6,095	6,569	6,867	8,350	-27.0	70,641	72,555
Other materials, supplies and and intermediate products	85,926	84,890	83,295	+1.2	+1.9	+1.1	84,326	86,736	86,057	79,388	+6.2	921,779	883,223
Durable goods industries :													
Nondefense capital goods [3]	34,630	32,825	30,992	+5.5	+5.9	-3.1	34,421	31,653	34,256	26,121	+31.8	341,695	319,032
Excluding aircraft and parts	30,853	29,984	29,026	+2.9	+3.3	+3.4	30,817	29,147	31,912	24,575	+25.4	305,792	267,353
Defense capital goods [4]	5,118	5,304	6,446	-3.5	-17.7	-2.3	5,863	6,091	6,628	8,053	-27.2	67,384	69,486
Durables excluding capital goods	99,458	98,484	95,738	+1.0	+2.9	+2.8	98,898	104,551	99,374	88,409	+11.9	1,047,841	950,142
Miscellaneous series :													
Producers' durable equipment	91,454	88,698	85,686	+3.1	+3.5	+0.9	91,615	92,741	91,050	75,429	+21.5	935,229	836,193
Household durable goods	7,748	7,594	7,606	+2.0	-0.2	+0.1	7,849	8,146	8,458	7,226	+8.6	82,781	76,692
Information technology industries	17,046	16,309	15,764	+4.5	+3.5	+3.1	17,285	15,379	18,351	13,598	+27.1	165,496	145,687
Health care equipment and products	8,531	8,566	8,139	-0.4	+5.2	+1.2	8,361	8,502	9,099	7,787	+7.4	89,538	86,388

[p] Preliminary. [r] Revised.

[1] Topical series are regroupings of the separate industry categories.

[2] Shipments and new orders are the totals for the period and are adjusted for trading-day and calendar-month variations.

[3] Nondefense capital goods industries include : ordnance and accessories; steam, gas and hydraulic turbines; internal combustion engines; construction, mining, and ma handling equipment; metalworking machinery; special industry machinery; general industrial machinery; computer and office equipment; refrigeration, heating and se industry machinery; electrical transmission and distribution equipment; electrical industrial apparatus; communications equipment; aircraft, missiles, space vehicles, and en and parts; ships and tank components; railroad equipment; and search and navigation equipment.

[4] Defense capital goods industries include : ordnance and accessories; communications equipment; aircraft, missiles, space vehicles, and engines and parts; ships, and tank components; and search and navigation equipment.

Table 6. VALUE OF MANUFACTURERS' UNFILLED ORDERS AND TOTAL INVENTORIES FOR TOPICAL SERIES[1]
(Millions of dollars)

Industry	Seasonally adjusted						Not seasonally adjusted				
	Monthly			Percent Change			Monthly				Percent change
	Nov. 1993[p]	Oct. 1993[r]	Sept. 1993	Oct.-Nov.	Sept.-Oct.	Aug.-Sept.	Nov. 1993[p]	Oct. 1993[r]	Sept. 1993	Nov. 1992	Nov. 93/92
UNFILLED ORDERS											
All manufacturing industries	445,392	448,120	450,321	-0.6	-0.5	-1.1	440,957	444,710	448,056	471,455	-6.5
Market categories :											
Automotive equipment	1,831	1,792	1,731	+2.2	+3.5	-0.9	1,834	1,803	1,723	1,634	+12.2
Home goods and apparel	9,821	9,852	10,156	-0.3	-3.0	-1.8	8,917	9,709	10,667	8,974	-0.6
Consumer staples	1,402	1,403	1,435	-0.1	-2.2	+1.2	1,396	1,423	1,482	1,391	+0.4
Machinery and equipment	183,394	183,371	183,815	0.0	-0.2	-1.0	183,115	182,899	183,436	198,744	-7.9
Business supplies	5,387	5,491	5,427	-1.9	+1.2	-0.5	5,239	5,429	5,541	5,507	-4.9
Construction materials and supplies	14,334	14,298	14,471	+0.3	-1.2	-1.5	13,969	14,132	14,531	14,237	-1.9
Defense products	111,268	113,384	115,538	-1.9	-1.9	-0.9	110,844	112,451	113,683	122,360	-9.4
Other materials, supplies and and intermediate products	117,955	118,529	117,748	-0.5	+0.7	-1.1	115,643	116,864	116,993	118,608	-2.5
Durable goods industries :											
Nondefense capital goods [3]	199,696	199,913	200,792	-0.1	-0.4	-1.2	199,735	199,601	200,475	218,569	-8.6
Excluding aircraft and parts	74,578	73,786	72,483	+1.1	+1.8	+0.6	74,617	73,474	72,166	70,532	+5.8
Defense capital goods [4]	117,576	119,560	121,856	-1.7	-1.9	-0.9	117,058	118,651	120,027	128,992	-9.3
Durables excluding capital goods	106,983	107,507	105,872	-0.5	+1.5	-0.8	103,753	105,500	105,196	101,698	+2.0
Miscellaneous series :											
Producers' durable equipment	210,173	209,784	209,267	+0.2	+0.2	-0.7	209,225	209,291	209,189	219,177	-4.5
Household durable goods	5,604	5,593	5,543	+0.2	+0.9	0.0	5,040	5,446	5,746	4,767	+5.7
Information technology industries	32,616	31,795	31,345	+2.6	+1.4	+0.2	32,802	31,870	31,470	30,400	+7.9
Health care equipment and products	7,949	7,930	7,733	+0.2	+2.5	-2.9	7,950	7,930	7,733	8,623	-7.8
TOTAL INVENTORIES											
All manufacturing industries	380,841	380,301	380,689	+0.1	-0.1	-0.2	380,895	381,337	380,226	381,313	-0.1
Market categories :											
Automotive equipment	6,066	6,095	6,161	-0.5	-1.1	-0.4	6,183	6,094	6,171	6,300	-1.9
Home goods and apparel	30,542	30,580	30,506	-0.1	+0.2	-0.3	29,071	29,787	30,307	27,100	+7.3
Consumer staples	58,312	58,333	58,673	0.0	-0.6	-0.5	59,497	59,993	59,107	59,879	-0.6
Machinery and equipment	88,988	88,611	88,251	+0.4	+0.4	+0.1	89,774	89,097	88,057	89,582	+0.2
Business supplies	21,223	21,226	21,308	0.0	-0.4	-0.8	21,132	21,327	21,476	21,735	-2.8
Construction materials and supplies	23,901	23,709	23,692	+0.8	+0.1	+0.3	23,544	23,442	23,470	22,392	+5.1
Defense products	26,283	26,103	26,620	+0.7	-1.9	+0.2	26,339	26,302	26,783	28,094	-6.2
Other materials, supplies and and intermediate products	125,526	125,644	125,478	-0.1	+0.1	-0.3	125,355	125,295	124,855	126,231	-0.7
Durable goods industries :											
Nondefense capital goods [3]	83,472	83,207	82,927	+0.3	+0.3	+0.1	84,256	83,839	82,797	84,819	-0.7
Excluding aircraft and parts	56,432	56,326	55,814	+0.2	+0.9	-0.2	57,027	56,887	55,844	55,575	+2.6
Defense capital goods [4]	27,691	27,528	28,073	+0.6	-1.9	-0.1	27,809	27,774	28,286	30,115	-7.7
Durables excluding capital goods	127,171	126,897	126,571	+0.2	+0.3	-0.1	126,614	126,500	126,312	124,668	+1.6
Miscellaneous series :											
Producers' durable equipment	142,812	142,642	142,343	+0.1	+0.2	-0.1	143,420	143,177	142,191	143,429	0.0
Household durable goods	13,523	13,503	13,419	+0.1	+0.6	-1.0	13,114	13,341	13,318	12,466	+5.2
Information technology industries	30,370	30,233	29,960	+0.5	+0.9	+0.3	30,789	30,696	30,111	28,874	+6.6
Health care equipment and products	13,543	13,526	13,641	+0.1	-0.8	-0.2	13,601	13,565	13,509	13,531	+0.5

See footnotes at end of table 5.

Table 7. VALUE OF MANUFACTURERS' INVENTORIES, BY STAGE OF FABRICATION, BY INDUSTRY GROUP
(Millions of dollars)

Industry	Seasonally adjusted						Not seasonally adjusted				
	Monthly			Percent Change			Monthly				Percent change
	Nov. 1993[p]	Oct. 1993[r]	Sept. 1993	Oct.-Nov.	Sept.-Oct.	Aug.-Sept.	Nov. 1993[p]	Oct. 1993[r]	Sept. 1993	Nov. 1992	Nov. 93/92
MATERIALS AND SUPPLIES											
All manufacturing industries	121,142	120,781	120,930	+0.3	-0.1	-0.3	121,040	120,945	120,572	120,396	+0.5
Durable goods industries	68,711	68,522	68,441	+0.3	+0.1	-0.3	68,914	68,799	68,707	68,398	+0.8
Stone, clay, and glass products	2,514	2,513	2,523	0.0	-0.4	+0.6	2,505	2,503	2,512	2,501	+0.2
Primary metals	5,925	5,905	5,945	+0.3	-0.7	-3.2	6,019	6,024	6,055	6,310	-4.6
Fabricated metal products	7,767	7,679	7,826	+1.1	-1.9	+1.1	7,756	7,583	7,873	8,033	-3.4
Industrial machinery and equipment	14,415	14,337	14,139	+0.5	+1.4	-1.1	14,459	14,423	14,150	13,852	+4.4
Electronic and other electrical equipment	10,712	10,657	10,699	+0.5	-0.4	+1.0	10,622	10,634	10,690	10,154	+4.6
Transportation equipment	11,438	11,586	11,617	-1.3	-0.3	-1.4	11,473	11,575	11,552	12,625	-9.1
Instruments and related products	6,728	6,725	6,754	0.0	-0.4	-0.4	6,667	6,682	6,778	6,864	-2.9
Lumber, furniture and miscellaneous durable goods	9,212	9,120	8,938	+1.0	+2.0	+1.1	9,413	9,375	9,097	8,059	+16.8
Nondurable goods industries	52,431	52,259	52,489	+0.3	-0.4	-0.2	52,126	52,146	51,865	51,998	+0.2
Food and kindred products	9,943	9,990	10,073	-0.5	-0.8	-0.5	10,178	10,170	9,684	10,382	-2.0
Tobacco products	5,399	5,357	5,356	+0.8	0.0	+0.5	5,252	5,246	5,255	5,051	+4.0
Textile mill products	2,697	2,666	2,626	+1.2	+1.5	+0.7	2,580	2,569	2,580	2,522	+2.3
Paper and allied products	6,754	6,777	6,804	-0.3	-0.4	+0.4	6,694	6,743	6,754	6,742	-0.7
Chemicals and allied products	11,398	11,253	11,467	+1.3	-1.9	+0.4	11,339	11,245	11,362	11,533	-1.7
Petroleum and coal products	3,073	3,051	2,998	+0.7	+1.8	-3.3	3,086	3,083	2,978	3,110	-0.8
Rubber and plastics products	4,436	4,376	4,385	+1.4	-0.2	-0.5	4,469	4,384	4,423	4,402	+1.5
Apparel, printing and publishing and leather goods	8,731	8,789	8,780	-0.7	+0.1	-0.5	8,528	8,706	8,829	8,256	+3.3
WORK IN PROCESS											
All manufacturing industries	130,038	130,380	130,033	-0.3	+0.3	+0.2	130,770	131,952	130,908	130,872	-0.1
Durable goods industries	106,620	106,943	106,704	-0.3	+0.2	+0.2	107,202	108,010	107,410	107,928	-0.7
Stone, clay, and glass products	1,053	1,072	1,102	-1.8	-2.7	-2.0	993	1,030	1,086	1,093	-9.1
Primary metals	7,305	7,475	7,288	-2.3	+2.6	+2.6	7,224	7,491	7,334	7,099	+1.8
Fabricated metal products	7,550	7,742	7,622	-2.5	+1.6	-0.6	7,517	7,785	7,630	7,672	-2.0
Industrial machinery and equipment	18,610	18,730	18,387	-0.6	+1.9	+0.3	19,244	19,386	18,825	18,530	+3.9
Electronic and other electrical equipment	14,097	14,047	13,902	+0.4	+1.0	-0.7	14,006	14,045	13,877	12,897	+8.6
Transportation equipment	43,714	43,481	44,017	+0.5	-1.2	+0.2	44,024	43,787	44,211	46,304	-4.9
Instruments and related products	9,561	9,710	9,689	-1.5	+0.2	+0.1	9,569	9,851	9,754	10,250	-6.6
Lumber, furniture and miscellaneous durable goods	4,730	4,686	4,697	+0.9	-0.2	+1.4	4,625	4,635	4,693	4,083	+13.3
Nondurable goods industries	23,418	23,437	23,329	-0.1	+0.5	+0.2	23,568	23,942	23,498	22,944	+2.7
Food and kindred products	4,000	4,004	3,840	-0.1	+4.3	+2.3	4,319	4,380	3,857	3,995	+8.1
Tobacco products	175	167	180	+4.8	-7.2	+1.1	248	239	207	200	+24.0
Textile mill products	2,557	2,517	2,506	+1.6	+0.4	+1.7	2,523	2,521	2,542	2,365	+6.7
Paper and allied products	1,174	1,189	1,223	-1.3	-2.8	-0.7	1,146	1,142	1,201	1,196	-4.2
Chemicals and allied products	5,730	5,776	5,760	-0.8	+0.3	-0.1	5,723	5,795	5,736	5,547	+3.2
Petroleum and coal products	2,290	2,395	2,451	-4.4	-2.3	-6.2	2,293	2,493	2,495	2,839	-19.2
Rubber and plastics products	1,762	1,760	1,727	+0.1	+1.9	+0.5	1,807	1,793	1,721	1,681	+7.5
Apparel, printing and publishing and leather goods	5,730	5,629	5,642	+1.8	-0.2	+1.5	5,509	5,579	5,739	5,121	+7.6
FINISHED GOODS											
All manufacturing industries	129,661	129,140	129,726	+0.4	-0.5	-0.5	129,085	128,440	128,746	130,045	-0.7
Durable goods industries	63,003	62,167	62,426	+1.3	-0.4	-0.2	62,563	61,304	61,278	63,276	-1.1
Stone, clay, and glass products	3,964	4,009	3,976	-1.1	+0.8	-0.3	3,840	3,832	3,792	4,070	-5.7
Primary metals	5,997	5,948	6,008	+0.8	-1.0	-2.1	5,972	5,937	6,011	6,047	-1.2
Fabricated metal products	7,724	7,718	7,818	+0.1	-1.3	-0.7	7,490	7,506	7,583	7,610	-1.6
Industrial machinery and equipment	12,944	12,761	12,958	+1.4	-1.5	+0.9	13,022	12,646	12,656	14,278	-8.8
Electronic and other electrical equipment	9,070	8,816	8,585	+2.9	+2.7	+0.3	8,876	8,700	8,433	7,942	+11.8
Transportation equipment	8,369	7,935	8,230	+5.5	-3.6	-1.4	8,780	8,023	8,258	9,255	-5.1
Instruments and related products	6,109	6,169	6,082	-1.0	+1.4	+0.6	6,127	6,185	6,019	5,967	+2.7
Lumber, furniture and miscellaneous durable goods	8,826	8,811	8,769	+0.2	+0.5	+0.1	8,456	8,475	8,526	8,107	+4.3
Nondurable goods industries	66,658	66,973	67,300	-0.5	-0.5	-0.8	66,522	67,136	67,468	66,769	-0.4
Food and kindred products	15,951	15,925	15,921	+0.2	0.0	-0.9	16,823	16,974	16,867	16,785	+0.2
Tobacco products	1,096	1,064	1,166	+3.0	-8.7	-3.3	1,030	1,150	1,125	1,333	-22.7
Textile mill products	4,147	4,079	4,072	+1.7	+0.2	-0.7	4,025	3,995	4,009	3,965	+1.5
Paper and allied products	5,582	5,613	5,573	-0.6	+0.7	-2.3	5,493	5,417	5,360	5,585	-1.6
Chemicals and allied products	17,455	17,662	17,792	-1.2	-0.7	-0.6	17,399	17,332	17,343	17,679	-1.6
Petroleum and coal products	5,103	5,203	5,228	-1.9	-0.5	-1.6	5,280	5,371	5,339	5,739	-8.0
Rubber and plastics products	6,059	6,073	6,087	-0.2	-0.2	+0.2	5,898	5,825	5,891	5,532	+6.6
Apparel, printing and publishing and leather goods	11,265	11,354	11,461	-0.8	-0.9	-0.1	10,574	11,072	11,534	10,151	+4.2

[p] Preliminary. [r] Revised.

Table 8. RATIOS OF MANUFACTURES' INVENTORIES TO SHIPMENTS AND UNFILLED ORDERS TO SHIPMENTS, BY INDUSTRY GROUP
(Based on seasonally adjusted data)

Industry	Inventory / Shipments ratio				Unfilled Orders / Shipments ratio[1]			
	Nov. 1993[p]	Oct. 1993[r]	Sept. 1993	Aug. 1993	Nov. 1993[p]	Oct. 1993[r]	Sept. 1993	Aug. 1993
All manufacturing industries	1.44	1.46	1.46	1.49	3.13	3.21	3.22	3.30
Durable goods industries	1.68	1.72	1.73	1.77	3.78	3.89	3.89	3.99
Stone, clay, and glass products	1.21	1.26	1.23	1.31	1.24	1.28	1.27	1.37
Primary metals	1.63	1.70	1.67	1.71	1.90	1.97	1.91	1.95
Fabricated metal products	1.58	1.61	1.63	1.65	1.51	1.58	1.62	1.65
Industrial machinery and equipment	1.82	1.88	1.86	1.90	2.22	2.26	2.22	2.27
Electronic and other electrical equipment	1.66	1.69	1.66	1.69	2.23	2.32	2.22	2.23
Transportation equipment	1.73	1.73	1.82	1.88	11.63	11.66	12.10	12.22
Instruments and related products	2.03	2.11	2.07	2.07	4.75	4.93	4.84	4.93
Nondurable goods industries	1.16	1.17	1.17	1.18	0.71	0.71	0.73	0.76
Food and kindred products	0.85	0.86	0.85	0.85	(X)	(X)	(X)	(X)
Tobacco products	2.92	2.76	2.54	3.25	(X)	(X)	(X)	(X)
Textile mill products	1.62	1.59	1.60	1.56	(NA)	(NA)	(NA)	(NA)
Paper and allied products	1.25	1.27	1.25	1.29	(NA)	(NA)	(NA)	(NA)
Chemicals and allied products	1.30	1.34	1.35	1.36	(X)	(X)	(X)	(X)
Petroleum and coal products	0.92	0.91	0.91	0.93	(X)	(X)	(X)	(X)
Rubber and plastics products	1.37	1.40	1.40	1.41	(X)	(X)	(X)	(X)

[p] Preliminary. [r] Revised. (X) Not applicable. (NA) Not available.

[1] Excludes the following industries with no unfilled orders : Wood and lumber products; glass containers; metal cans, barrels and drums; farm and garden machinery; motor vehicle assembly operations; other transportation equipment; foods and related products; tobacco; knitting mill products; apparel and related products; chemicals; petroleum and coal products; and rubber and plastics products.

Table 9. REVISIONS TO PREVIOUSLY PUBLISHED MONTHLY PERCENT CHANGES
(Based on seasonally adjusted data)

Industry	Shipments			New orders			Unfilled orders			Inventories		
	Nov.[1] 1993	Nov.[2] 1988-1992	Nov. 1992-Oct. 1993	Nov.[1] 1993	Nov.[2] 1988-1992	Nov. 1992-Oct. 1993	Nov.[1] 1993	Nov.[2] 1988-1992	Nov. 1992-Oct. 1993	Nov.[1] 1993	Nov.[2] 1988-1992	Nov. 1992-Oct. 1993
All manufacturing industries	(X)	0.2	0.2	(X)	0.2	0.2	(X)	0.0	0.1	(X)	0.0	0.0
Durable goods industries	0.0	0.2	0.3	-0.1	0.3	0.3	0.0	0.1	0.1	(X)	0.1	0.1
Stone, clay, and glass products	(X)	0.5	0.5	(X)	0.7	1.2	(X)	0.2	0.7	(X)	0.3	0.1
Primary metals	0.2	0.4	0.3	-0.8	0.5	1.0	-0.7	0.2	0.3	(X)	0.1	0.1
Fabricated metal products	(X)	0.2	0.2	(X)	0.6	0.5	(X)	0.2	0.4	(X)	0.1	0.2
Industrial machinery and equipment	0.3	0.5	0.6	0.4	0.9	0.6	0.0	0.2	0.1	(X)	0.1	0.1
Electronic and other electrical equipment	0.1	0.3	0.4	-0.1	0.4	0.6	0.1	0.0	0.1	(X)	0.1	0.1
Transportation equipment	-0.1	0.2	0.6	-0.4	0.5	0.9	-0.1	0.0	0.1	(X)	0.0	0.1
Instruments and related products	(X)	0.3	0.3	(X)	0.3	1.3	(X)	0.1	0.2	(X)	0.3	0.2
Nondurable goods industries	(X)	0.1	0.1	(X)	0.1	0.1	(X)	0.4	0.3	(X)	0.1	0.0
Food and kindred products	(X)	0.2	0.1	(X)	(X)	(X)	(X)	(X)	(X)	(X)	0.2	0.1
Tobacco products	(X)	0.3	0.3	(X)	(X)	(X)	(X)	(X)	(X)	(X)	0.0	0.1
Textile mill products	(X)	0.7	0.2	(X)	(NA)	(NA)	(X)	(NA)	(NA)	(X)	0.1	0.1
Paper and allied products	(X)	0.2	0.3	(X)	(NA)	(NA)	(X)	(NA)	(NA)	(X)	0.1	0.1
Chemicals and allied products	(X)	0.2	0.2	(X)	(X)	(X)	(X)	(X)	(X)	(X)	0.1	0.1
Petroleum and coal products	(X)	0.3	0.4	(X)	(X)	(X)	(X)	(X)	(X)	(X)	0.2	0.3
Rubber and plastics products	(X)	0.4	0.3	(X)	(X)	(X)	(X)	(X)	(X)	(X)	0.1	0.2
Capital goods industries :												
Nondefense	0.1	0.3	0.4	0.2	0.7	0.7	0.0	0.1	0.1	(X)	0.1	0.1
Defense	0.6	0.2	0.5	-1.8	0.7	2.0	-1.7	0.0	0.2	(X)	0.2	0.1

(X) Not applicable. (NA) Not available.

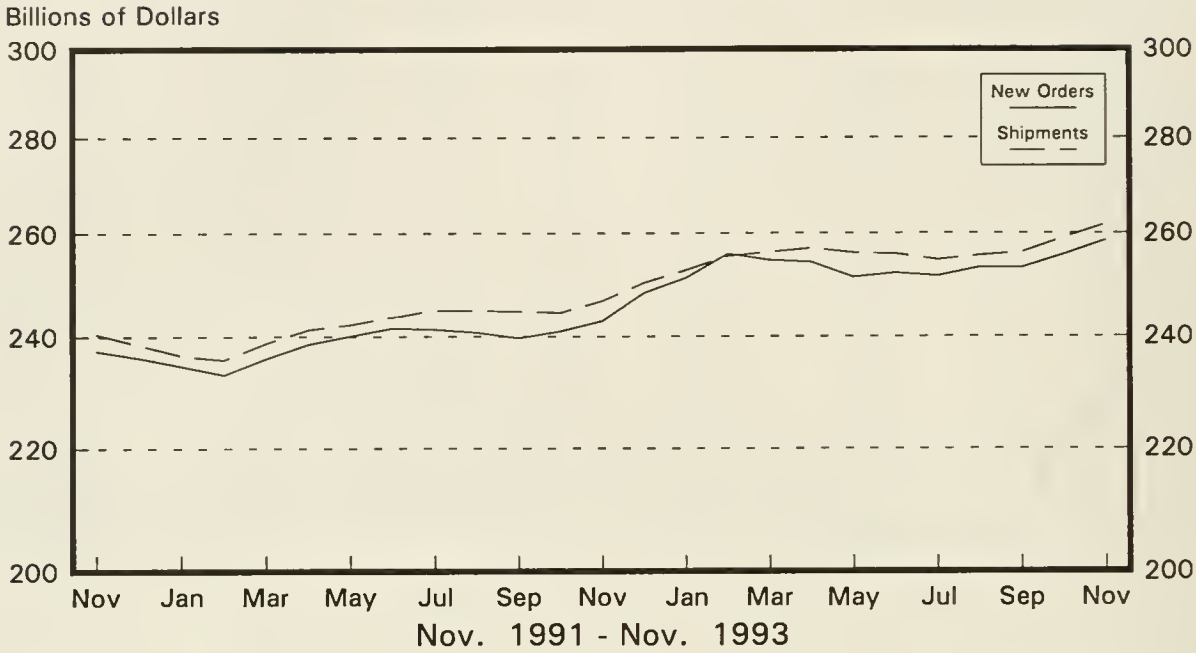
Note : The five year and the twelve month revisions are the differences between the month-to-month percent changes of the preliminary and final estimates. The monthly averages are the simple averages of the absolute values of the differences for the months specified. The advance to final percent change revisions for the durable goods industries are shown in the advance report for the month.

[1] The current month revisions are the difference between the advance precent change and the percent change as shown in this publication.

[2] Average for this month for the last five years.

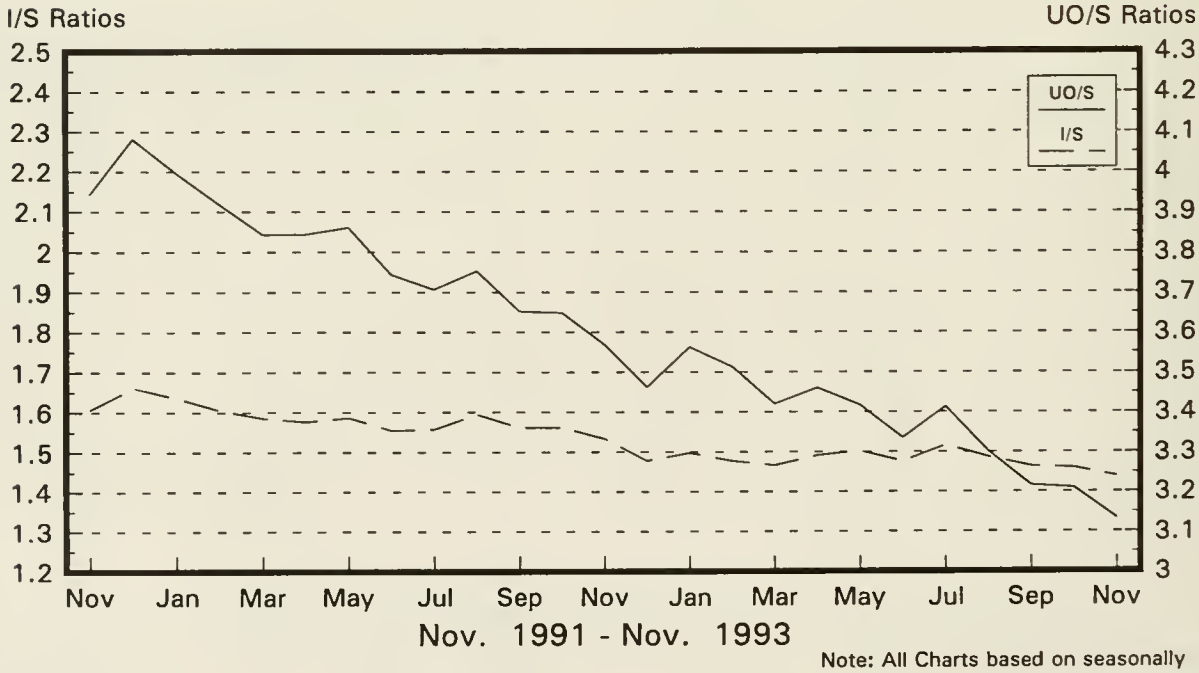
Total Manufacturing

New Orders and Shipments
Three Month Moving Averages



Total Manufacturing

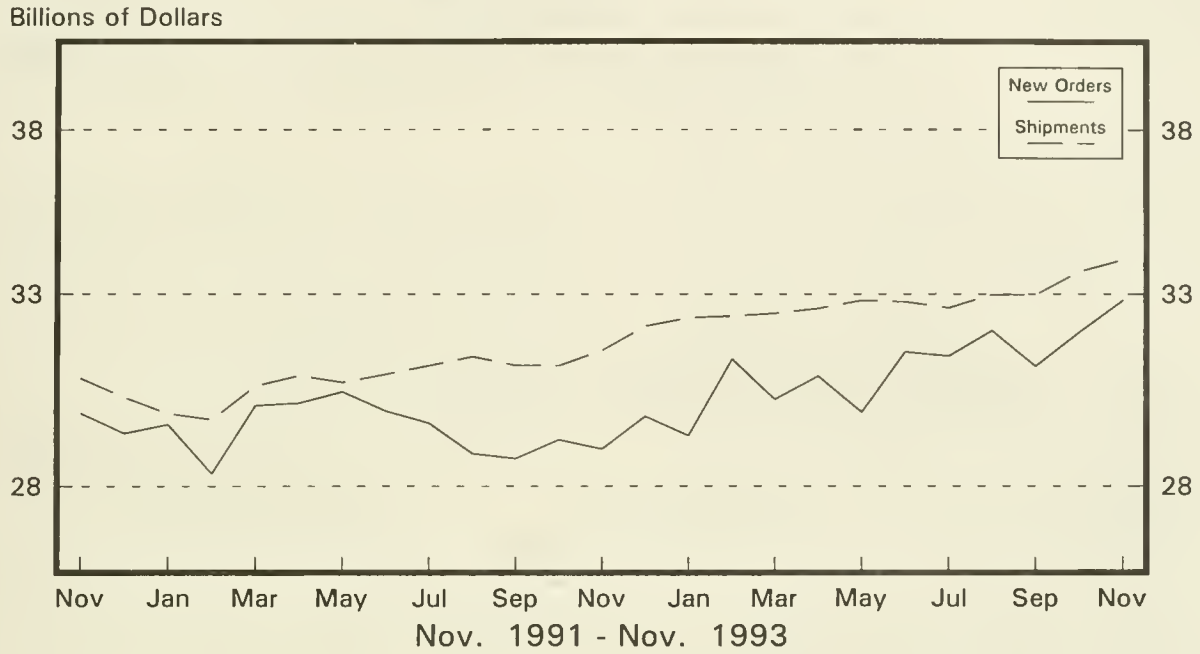
Ratio of Unfilled Orders and
Inventories to Shipments



Note: All Charts based on seasonally adjusted current dollars.

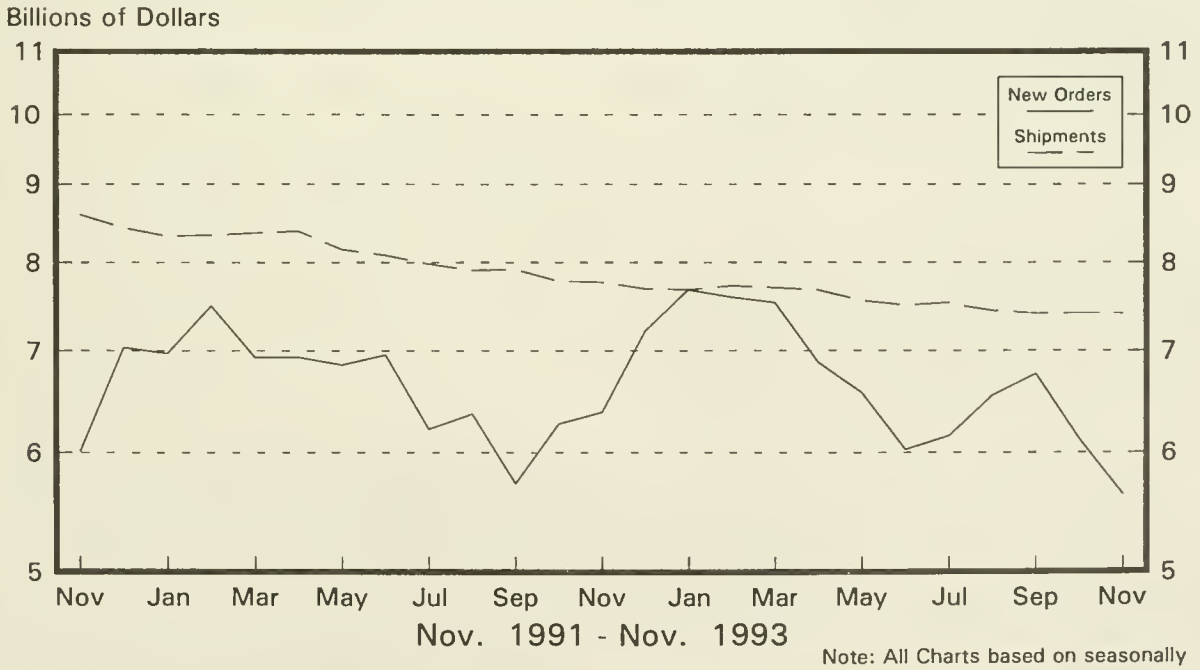
Nondefense Capital Goods

New Orders and Shipments
Three Month Moving Averages



Defense Capital Goods

New Orders and Shipments
Three Month Moving Averages



Note: All Charts based on seasonally adjusted current dollars.

U.S. Department of Commerce
BUREAU OF THE CENSUS
Washington, D.C. 20233

Official Business
Penalty for Private Use, $300

U.S.MAIL

POSTAGE AND FEES
U S DEPARTMENT OF COMM

COM-

First Class Mail

PUBLICATION DATES FOR THE 1994 MONTHLY M3 SURVEY
MANUFACTURERS' SHIPMENTS, INVENTORIES, AND ORDERS

Report Covering	Advance Report Release Dates (8:30 a.m. release time)	Regular Report Release Dates (10:00 a.m. release time)
December 1993	Thur., Jan. 27	Thurs., Feb. 3
January 1994	Thur., Feb. 24	Thurs., Mar. 3
February 1994	Wed., Mar. 23	Wed., Mar. 30
March 1994	Wed., Apr. 27	Wed., May 4
April 1994	Wed., May 25	Thurs., June 2
May 1994	Thur., June 23	Thur., June 30
June 1994	Wed., July 27	Wed., Aug. 3
July 1994	Wed., Aug. 24	Wed., Aug. 31
August 1994	Wed., Sept. 28	Wed., Oct. 5
September 1994	Wed., Oct. 26	Wed., Nov. 2
October 1994	Wed., Nov. 23	Fri., Dec. 2
November 1994	Fri., Dec. 23	Thur., Jan 5, 1995

The Manufacturers' Shipments, Inventories, and Orders press release can be faxed to you on the day of issue at a cost of $120 per year. The fee is to cover the subscription service, wire transmission, and administrative costs. If you wish to subscribe to this service, or would like more information, please call Sandy Sollinger at (301) 763-2604.

3.158:M 3-1-(93)-12

urrent Industrial Reports, Manufac...

Manufacturers' Shipments, Inventories, and Orders

MAY 4 1994

U. S. Department of Commerce
Economics and Statistics Administration
BUREAU OF THE CENSUS

December 1993
M3-1-(93)-12
For Wire Transmissions 10:00 a.m. E.S.T. February 3, 1994

Steve Andrews or Kathy Menth
(301)763-2502 or (301)763-2575

Note: All figures in text are in seasonally adjusted current dollars

Summary

New orders for manufactured goods in December increased $3.2 billion or 1.2 percent to $266.0 billion, the Department of Commerce, Bureau of the Census reported today. This follows a 1.7 percent November increase and is the fifth monthly increase in a row, the longest string of consecutive monthly increases since September 1987 to June 1988. New orders in 1993 totaled $3,066 billion, up 5.9 percent from 1992, the largest annual increase since 1988.

Shipments increased $3.7 billion or 1.4 percent to $269.2 billion. This follows a 2.0 percent increase in November and is the fifth consecutive monthly increase. For the year, shipments totaled $3,100 billion, up 5.7 percent from 1992, the largest annual increase since 1988.

Unfilled orders decreased $3.2 billion or 0.7 percent to $442.1 billion, the lowest level since March 1988. This is the tenth monthly decline in a row and twenty-fifth in the last twenty-eight months. The unfilled orders-to-shipments ratio decreased from 3.12 in November to 3.04 in December, the lowest in nearly thirty years. Unfilled orders are 7.0 percent lower than year-end 1992.

Inventories decreased $2.2 billion or 0.6 percent to $377.9 billion, the lowest level since March 1989. This follows a revised $0.1 billion decline in November and is the fifth consecutive monthly decline. The inventories-to-shipments ratio decreased from 1.43 in November to 1.40 in December, the lowest on record. Inventories are 0.3 percent lower than year-end 1992.

New Orders

New orders for manufactured durable goods in December increased $3.0 billion or 2.1 percent to $142.7 billion. This follows a 2.2 percent increase in November and is the fifth monthly increase in a row, the longest string of consecutive monthly increases since February to July 1987. The largest increase was in transportation equipment, up $1.0 billion or 2.9 percent to $35.5 billion, with increases in all industry categories except aircraft and parts. Electronic and other electrical equipment increased $0.8 billion or 4.0 percent to $20.7 billion, due to electronic components and communications equipment.

New orders for nondurable goods increased $0.3 billion or 0.2 percent to $123.4 billion, as an increase in food and kindred products more than offset a decline in petroleum and coal products. This follows a 1.2 percent increase in November and is the third increase in the last four months.

Shipments

Shipments of durable goods in December increased $3.3 billion or 2.3 percent to $146.0 billion. This follows a 3.3 percent increase in November and is the fifth consecutive monthly increase. All major groups had increases. Transportation equipment had the largest increase, up $1.3 billion or 3.4 percent to $38.0 billion, due to motor vehicles and parts and aircraft and parts. Industrial machinery and equipment increased $0.7 billion or 2.7 percent to $26.4 billion, with increases in most categories. Electronic and other electrical equipment increased $0.6 billion or 3.1 percent to $21.1 billion, due to communications equipment and electronic components.

Shipments of nondurable goods increased $0.3 billion or 0.3 percent to $123.2 billion, following a 0.5 percent increase in November. This is the third increase in the last four months. The largest increase was in food and kindred products, up $0.5 billion or 1.3 percent to $35.5 billion. Petroleum and coal products had the largest decline, down $0.2 billion or 2.2 percent to $11.0 billion.

Unfilled Orders

Unfilled orders for durable goods in December decreased $3.3 billion or 0.8 percent to $420.6 billion, the lowest level since March 1988. This is the tenth consecutive monthly decline and twenty-ninth in the last thirty-four months. Transportation equipment decreased for the twentieth consecutive month, down $2.6 billion or 1.2 percent to $213.4 billion, as a decline in aircraft and parts more than offset an increase in railroad equipment. Excluding transportation equipment, unfilled orders decreased $0.8 billion or 0.4 percent. Instruments and related products decreased $0.9 billion or 1.6 percent to $51.3 billion. Industrial machinery and equipment, up for the sixth consecutive month, had the largest increase, up $0.6 billion or 1.1 percent to $53.2 billion. Unfilled orders for nondurable goods increased $0.1 billion or 0.6 percent to $21.5 billion, the second increase in a row, following six consecutive monthly declines.

Inventories

Inventories for durable goods in December decreased $1.5 billion or 0.6 percent to $236.4 billion. Transportation equipment had the largest decrease, down $1.7 billion or 2.7 percent to $61.5 billion, due to aircraft and parts. Excluding transportation equipment, inventories increased $0.2 billion or 0.1 percent. Nondurable goods inventories decreased $0.7 billion or 0.5 percent to $141.6 billion, primarily due to petroleum and coal products. This is the sixth decline in the last seven months.

By stage of fabrication, finished goods decreased 0.8 percent in durables and 0.5 percent in nondurables. Work in process decreased 0.7 percent in durables and 0.1 percent in nondurables. Materials and supplies decreased 0.4 percent in durables and 0.7 percent in nondurables.

(SEE BACK PAGE FOR 1994 RELEASE DATES)

The advance report on durable goods for January is scheduled for February 24, 1994 at 8:30 a.m. and the full report on March 3, 1994 at 10:00 a.m. For sale by the Superintendent of Documents, U.S. Government Printing Office, Washington, DC 20402. This report is also available the day of issue through the Department of Commerce's online Economic Bulletin Board (N-8-1) (202-482-3870) and through the Census Bureau's online information service—CENDATA. CENDATA is available from Dialog Information Services, Inc. (1-800-334-2564) and CompuServe (1-800-848-8199). The CENDATA staff at the Bureau of the Census (301-763-2074) can provide content information and general guidance.

Table I. VALUE OF MANUFACTURERS' SHIPMENTS FOR INDUSTRY GROUPS
(Millions of dollars)

Industry	Seasonally adjusted						Not seasonally adjusted[1]						
	Monthly			Percent Change			Monthly				Percent change	Year to date	
	Dec. 1993[p]	Nov. 1993[r]	Oct. 1993	Nov.-Dec.	Oct.-Nov.	Sept.-Oct.	Dec. 1993[p]	Nov. 1993[r]	Oct. 1993	Dec. 1992	Dec. 93/92	1993[p]	1992
All manufacturing industries	269,227	265,574	260,471	+1.4	+2.0	+0.1	263,009	266,399	272,140	249,356	+5.5	3,102,281	2,934,126
Manufacturing Industries													
with unfilled orders	145,221	142,778	139,620	+1.7	+2.3	-0.3	147,399	144,136	144,879	138,710	+6.3	1,657,336	1,576,692
without defense capital goods	262,605	258,551	252,871	+1.6	+2.2	+0.1	254,761	258,978	264,673	239,346	+6.4	3,013,962	2,838,173
Durable goods industries	146,002	142,665	138,153	+2.3	+3.3	+0.5	144,938	142,733	144,241	131,841	+9.9	1,631,782	1,506,632
With unfilled orders	115,413	112,955	109,802	+2.2	+2.9	-0.3	118,536	113,498	113,064	109,833	+7.9	1,302,221	1,227,819
Stone, clay, and glass products	6,388	6,222	6,034	+2.7	+3.1	-2.3	5,428	6,247	6,687	4,761	+14.0	70,558	66,623
Primary metals	12,190	11,851	11,354	+2.9	+4.4	-1.5	11,053	11,639	11,861	10,144	+9.0	138,238	135,945
Blast furnaces, steel mills	5,606	5,429	5,312	+3.3	+2.2	+0.3	5,012	5,283	5,499	4,353	+15.1	63,148	58,106
Iron and steel foundries	1,147	1,124	1,091	+2.0	+3.0	+3.7	936	1,120	1,218	848	+10.4	12,556	12,198
Nonferrous and other primary metals	5,437	5,298	4,951	+2.6	+7.0	-4.4	5,105	5,236	5,144	4,943	+3.3	62,534	65,641
Fabricated metal products	14,626	14,615	14,330	+0.1	+2.0	+0.1	13,831	14,513	15,312	13,287	+4.1	170,199	160,490
Industrial machinery and equipment	26,389	25,685	24,345	+2.7	+5.5	-0.2	29,159	24,970	23,723	24,452	+19.2	287,850	253,445
Engines and turbines	1,885	1,695	1,475	+11.2	+14.9	-3.0	2,786	1,650	1,398	2,013	+38.4	19,110	16,804
Farm and garden machinery	1,490	1,523	1,455	-2.2	+4.7	-1.4	1,310	1,279	1,427	1,070	+22.4	17,687	14,938
Construction, mining and material handling equipment	2,594	2,560	2,549	+1.3	+0.4	+3.9	2,433	2,448	2,628	2,169	+12.2	29,654	25,232
Metalworking machinery	2,648	2,736	2,565	-3.2	+6.7	+1.0	2,945	2,960	2,694	2,963	-0.6	31,036	29,049
Computer and office equipment	7,144	6,902	6,677	+3.5	+3.4	+0.9	9,787	6,793	5,793	7,792	+25.6	77,186	65,558
Electronic and other electrical equipment	21,101	20,474	19,882	+3.1	+3.0	-0.8	22,060	21,213	20,346	19,693	+12.0	232,928	209,422
Electrical transmission and distribution equipment and industrial apparatus	2,476	2,514	2,435	-1.5	+3.2	+1.5	2,470	2,411	2,392	2,373	+4.1	28,806	27,738
Household appliances	1,633	1,715	1,695	-4.8	+1.2	-1.6	1,512	1,694	1,700	1,558	-3.0	19,819	18,159
Electric lighting and wiring equipment	1,647	1,684	1,692	-2.2	-0.5	+2.6	1,726	1,801	1,705	1,714	+0.7	20,045	18,629
Household audio and video equipment	942	946	994	-0.4	-4.8	+6.3	892	1,205	1,309	889	+0.3	11,248	10,959
Communications equipment	4,866	4,316	4,099	+12.7	+5.3	+4.2	6,026	4,321	3,936	4,833	+24.7	47,686	42,260
Electronic components	7,419	7,101	6,773	+4.5	+4.8	-7.0	7,293	7,163	6,809	6,240	+16.9	81,065	69,714
Transportation equipment	38,040	36,785	36,321	+3.4	+1.3	+3.3	36,763	37,118	39,473	35,043	+4.9	424,477	391,292
Motor vehicles and parts	26,352	25,466	24,431	+3.5	+4.2	+3.2	22,680	26,016	27,876	18,834	+20.4	282,101	235,716
Aircraft, missiles, space vehicles, and parts	9,214	8,466	9,346	+8.8	-9.4	+5.0	11,645	8,400	8,975	13,653	-14.7	112,933	127,978
Shipbuilding and tanks	816	1,048	1,017	-22.1	+3.0	+2.7	1,021	1,031	1,028	1,308	-21.9	11,711	12,094
Instruments and related products	11,100	11,052	10,695	+0.4	+3.3	-1.9	12,027	11,319	10,684	11,677	+3.0	129,085	127,289
Search and navigation equipment	2,475	2,659	2,519	-6.9	+5.6	-4.6	3,002	2,964	2,447	3,278	-8.4	32,133	33,541
Measuring and controlling devices	3,217	3,063	2,985	+5.0	+2.6	-0.5	3,301	2,997	3,007	2,900	+13.8	35,209	33,639
Medical instruments and supplies	3,176	3,087	2,971	+2.9	+3.9	-0.6	3,347	3,015	2,895	3,166	+5.7	35,412	34,788
Photographic goods	1,875	1,889	1,883	-0.7	+0.3	-2.3	2,044	1,995	2,001	2,033	+0.5	22,264	21,497
All other durable goods	16,168	15,981	15,192	+1.2	+5.2	+1.2	14,617	15,714	16,155	12,784	+14.3	178,447	162,126
Nondurable goods industries	123,225	122,909	122,318	+0.3	+0.5	-0.2	118,071	123,666	127,899	117,515	+0.5	1,470,499	1,427,494
With unfilled orders	29,808	29,823	29,818	-0.1	0.0	0.0	28,863	30,638	31,815	28,877	0.0	355,115	348,873
Food and kindred products	35,540	35,081	34,771	+1.3	+0.9	-0.4	34,997	35,276	36,095	32,853	+6.5	413,889	395,028
Meat products	8,006	7,952	8,040	+0.7	-1.1	+0.4	7,734	7,801	8,344	7,354	+5.2	95,245	89,239
Dairy products	4,600	4,563	4,462	+0.8	+2.3	-2.1	4,416	4,618	4,452	4,195	+5.3	53,984	52,444
Beverages	5,100	5,044	4,827	+1.1	+4.5	-4.1	4,789	4,805	4,678	4,527	+5.8	59,080	57,336
All other foods, except fats and oils	16,014	15,584	15,680	+2.8	-0.6	+0.6	16,238	16,114	16,859	15,040	+8.0	184,685	176,582
Tobacco products	2,393	2,312	2,391	+3.5	-3.3	-9.4	3,056	2,517	2,205	3,902	-21.7	31,303	33,054
Textile mill products	5,872	5,831	5,807	+0.7	+0.4	+0.8	5,320	6,007	6,252	5,359	-0.7	70,183	69,850
Broadwoven fabrics and other textiles	3,702	3,602	3,542	+2.8	+1.7	+0.3	3,469	3,599	3,703	3,364	+3.1	43,455	43,586
Paper and allied products	10,759	10,814	10,691	-0.5	+1.2	-1.8	10,383	10,642	10,885	10,751	-3.4	129,437	131,307
Pulp, paper, and paperboard mill products	4,286	4,353	4,295	-1.5	+1.4	-0.2	4,200	4,348	4,292	4,369	-3.9	52,141	53,460
Paperboard containers and boxes	2,670	2,671	2,585	0.0	+3.3	-2.0	2,502	2,633	2,711	2,539	-1.5	31,842	32,534
Miscellaneous converted paper products	3,803	3,790	3,811	+0.3	-0.6	-3.4	3,681	3,661	3,882	3,843	-4.2	45,454	45,313
Chemicals and allied products	26,749	26,657	25,921	+0.3	+2.8	-0.1	25,511	25,589	25,650	24,724	+3.2	313,893	301,522
Industrial chemicals	13,340	13,625	13,185	-2.1	+3.3	0.0	12,326	13,283	13,258	12,262	+0.5	160,912	156,409
Drugs, soaps, and toiletries	10,457	10,091	9,954	+3.6	+1.4	+0.4	10,718	9,840	9,967	10,108	+6.0	117,593	110,363
Petroleum and coal products	11,003	11,245	11,745	-2.2	-4.3	+0.7	10,624	11,732	12,797	12,549	-15.3	147,442	154,673
Rubber and plastics products	8,990	8,944	8,700	+0.5	+2.8	+0.1	7,976	8,517	9,070	7,660	+4.1	104,050	103,329
All other nondurable goods	21,919	22,025	22,292	-0.5	-1.2	+1.0	20,204	23,386	24,945	19,717	+2.5	260,302	238,731

[p] Preliminary. [r] Revised.

[1] Shipments and new orders are the totals for the period and are adjusted for trading-day and calendar-month variations.

See note at end of table 2 relating to survey variability.

Table 2. VALUE OF MANUFACTURERS' NEW ORDERS FOR INDUSTRY GROUPS
(Millions of dollars)

Industry	Seasonally adjusted						Not seasonally adjusted[1]						
	Monthly			Percent Change			Monthly				Percent change	Year to date	
	Dec. 1993[p]	Nov. 1993[r]	Oct. 1993	Nov.-Dec.	Oct.-Nov.	Sept.-Oct.	Dec. 1993[p]	Nov. 1993[r]	Oct. 1993	Dec. 1992	Dec. 93/92	1993[p]	1992
All manufacturing industries	266,019	262,773	258,270	+1.2	+1.7	+1.2	260,570	262,656	268,794	250,087	+4.2	3,068,623	2,898,545
Manufacturing industries													
with unfilled orders	142,013	139,977	137,419	+1.5	+1.9	+1.6	144,960	140,393	141,533	139,441	+4.0	1,623,678	1,541,111
without defense capital goods	260,385	257,601	252,966	+1.1	+1.8	+1.6	252,393	256,608	262,703	239,289	+5.5	2,992,877	2,818,261
Durable goods industries	142,658	139,675	136,613	+2.1	+2.2	+2.6	142,423	139,437	142,295	132,707	+7.3	1,599,598	1,471,367
With unfilled orders	112,069	109,965	108,262	+1.9	+1.6	+2.3	116,021	110,202	111,118	110,699	+4.8	1,270,037	1,192,554
Stone, clay, and glass products	6,446	6,214	5,924	+3.7	+4.9	-3.4	5,347	5,954	6,376	4,386	+21.9	71,021	66,475
Primary metals	12,047	11,844	11,685	+1.7	+1.4	+1.5	11,507	11,554	11,589	11,509	0.0	139,047	134,807
Blast furnaces, steel mills	5,435	5,461	5,511	-0.5	-0.9	+2.2	5,079	5,217	5,355	5,364	-5.3	64,460	57,755
Iron and steel foundries	1,133	1,154	1,175	-1.8	-1.8	+1.9	907	1,146	1,325	859	+5.6	12,772	12,070
Nonferrous and other primary metals	5,479	5,229	4,999	+4.8	+4.6	+0.6	5,521	5,191	4,909	5,286	+4.4	61,815	64,982
Fabricated metal products	14,600	14,090	13,876	+3.6	+1.5	-2.0	14,115	13,742	14,731	13,711	+2.9	167,556	159,321
Industrial machinery and equipment	26,969	26,673	25,023	+1.1	+6.6	+2.0	29,625	26,187	24,428	24,015	+23.4	290,737	250,805
Engines and turbines	1,698	1,525	1,432	+11.3	+6.5	-16.6	2,572	1,570	1,466	2,004	+28.3	19,167	17,356
Construction, mining and material handling equipment	2,614	2,576	2,636	+1.5	-2.3	+9.7	2,504	2,477	2,759	2,146	+16.7	29,854	25,125
Metalworking machinery	3,060	2,852	2,370	+7.3	+20.3	-7.5	3,357	3,076	2,499	2,741	+22.5	31,059	27,905
Computer and office equipment	7,049	7,620	6,789	-7.5	+12.2	+7.7	9,200	7,624	5,880	7,417	+24.0	77,322	64,032
Electronic and other electrical equipment	20,718	19,919	21,504	+4.0	-7.4	+4.5	21,254	20,737	22,101	19,524	+8.9	235,331	209,941
Electrical transmission and distribution equipment and industrial apparatus	2,457	2,504	2,465	-1.9	+1.6	+1.4	2,413	2,414	2,406	2,161	+11.7	29,054	27,081
Electric lighting and wiring equipment	1,617	1,795	1,714	-9.9	+4.7	+7.9	1,696	1,912	1,727	1,772	-4.3	20,305	18,486
Communications equipment	4,872	4,344	4,427	+12.2	-1.9	-11.2	5,942	4,350	4,369	4,962	+19.8	49,313	42,447
Electronic components	7,018	6,181	7,810	+13.5	-20.9	+15.1	6,900	6,379	7,785	6,408	+7.7	80,474	70,917
Transportation equipment	35,457	34,449	32,768	+2.9	+5.1	+5.7	34,593	35,253	36,568	34,036	+1.6	392,205	363,255
Aircraft, missiles, space vehicles, and parts	5,602	6,925	5,602	-19.1	+23.6	+25.2	8,492	7,392	5,916	12,342	-31.2	79,859	103,776
Shipbuilding and tanks	539	250	694	+115.6	-64.0	-52.9	656	212	689	1,449	-54.7	10,026	7,632
Instruments and related products	10,246	10,474	10,587	-2.2	-1.1	+4.2	11,757	10,649	10,632	13,341	-11.9	124,953	124,556
Search and navigation equipment	1,958	1,988	2,193	-1.5	-9.3	-11.1	3,033	2,237	2,251	4,524	-33.0	29,254	30,798
Measuring and controlling devices	3,152	3,226	3,042	-2.3	+6.0	+15.2	3,236	3,160	3,064	3,471	-6.8	34,838	33,607
Medical instruments and supplies	2,885	2,961	3,168	-2.6	-6.5	+14.9	3,056	2,889	3,092	2,996	+2.0	34,472	34,983
All other durable goods	16,175	16,012	15,246	+1.0	+5.0	+1.1	14,225	15,361	15,870	12,185	+16.7	178,748	162,207
Nondurable goods industries	123,361	123,098	121,657	+0.2	+1.2	-0.4	118,147	123,219	126,499	117,380	+0.7	1,469,025	1,427,178
With unfilled orders	29,944	30,012	29,157	-0.2	+2.9	-0.8	28,939	30,191	30,415	28,742	+0.7	353,641	348,557

[p] Preliminary. [r] Revised.

[1] Shipments and new orders are the totals for the period and are adjusted for trading-day and calendar-month variations.

(n) When new orders for a prior month are negative because of cancellations, the percentage change calculation is algebraically negative, even though there is a net dollar decrease from the prior month to the current month.

Note : Estimates of manufacturers' shipments, inventories and orders are subject to survey variability and revision. Since the survey panel is not a probability sample, estimates of sampling variability cannot be calculated. Further details on survey design, methodology, and data limitation are contained in our most recent annual benchmark publication, Current Industrial Reports: M3-1(92), "Manufacturers' Shipments, Inventories, and Orders: 1982-1992."

Table 3. VALUE OF MANUFACTURERS' UNFILLED ORDERS FOR INDUSTRY GROUPS
(Millions of dollars)

Industry	Seasonally adjusted						Not seasonally adjusted				
	Monthly			Percent Change			Monthly				Percent change
	Dec. 1993[p]	Nov. 1993[r]	Oct. 1993	Nov.-Dec.	Oct.-Nov.	Sept.-Oct.	Dec. 1993[p]	Nov. 1993[r]	Oct. 1993	Dec. 1992	Dec. 93/92
All manufacturing industries	442,111	445,319	448,120	-0.7	-0.6	-0.5	438,528	440,967	444,710	472,186	-7.1
Manufacturing industries without defense capital goods	325,390	327,610	328,560	-0.7	-0.3	0.0	321,321	323,689	326,059	342,406	-6.2
Durable goods industries	420,646	423,990	426,980	-0.8	-0.7	-0.4	417,941	420,456	423,752	450,125	-7.2
Stone, clay, and glass products	7,252	7,194	7,202	+0.8	-0.1	-1.5	6,855	6,936	7,229	6,392	+7.2
Primary metals	22,255	22,398	22,405	-0.6	0.0	+1.5	21,485	21,031	21,116	20,676	+3.9
Blast furnaces, steel mills	10,225	10,396	10,364	-1.6	+0.3	+2.0	9,734	9,667	9,733	8,422	+15.6
Iron and steel foundries	3,083	3,097	3,067	-0.5	+1.0	+2.8	3,046	3,075	3,049	2,830	+7.6
Nonferrous and other primary metals	8,947	8,905	8,974	+0.5	-0.8	+0.5	8,705	8,289	8,334	9,424	-7.6
Fabricated metal products	20,219	20,245	20,770	-0.1	-2.5	-2.1	20,118	19,834	20,605	22,761	-11.6
Industrial machinery and equipment	53,211	52,631	51,643	+1.1	+1.9	+1.3	53,006	52,540	51,323	50,119	+5.8
Engines and turbines	9,820	10,007	10,177	-1.9	-1.7	-0.4	10,113	10,327	10,407	10,056	+0.6
Construction, mining and material handling equipment	5,834	5,814	5,798	+0.3	+0.3	+1.5	5,799	5,728	5,699	5,599	+3.6
Metalworking machinery	7,356	6,944	6,828	+5.9	+1.7	-2.8	7,356	6,944	6,828	7,333	+0.3
Computer and office equipment	7,544	7,639	6,921	-1.2	+10.4	+1.6	7,257	7,844	7,013	7,121	+1.9
Electronic and other electrical equipment	45,137	45,520	46,075	-0.8	-1.2	+3.6	44,490	45,296	45,772	42,087	+5.7
Electrical transmission and distribution equipment and industrial apparatus	5,846	5,865	5,875	-0.3	-0.2	+0.5	5,800	5,857	5,854	5,552	+4.5
Electric lighting and wiring equipment	3,240	3,270	3,159	-0.9	+3.5	+0.7	3,240	3,270	3,159	2,980	+8.7
Communications equipment	15,063	15,057	15,029	0.0	+0.2	+2.2	15,049	15,133	15,104	13,422	+12.1
Electronic components	15,415	15,816	16,736	-2.5	-5.5	+6.6	15,091	15,484	16,268	15,682	-3.8
Transportation equipment	213,417	216,000	218,336	-1.2	-1.1	-1.6	213,574	215,744	217,609	245,846	-13.1
Aircraft, missiles, space vehicles, and parts	183,812	187,424	188,965	-1.9	-0.8	-1.9	184,102	187,255	188,263	217,176	-15.2
Shipbuilding and tanks	19,617	19,894	20,692	-1.4	-3.9	-1.5	19,529	19,894	20,713	21,214	-7.9
Instruments and related products	51,259	52,113	52,691	-1.6	-1.1	-0.2	51,455	51,725	52,395	55,587	-7.4
Search and navigation equipment	34,066	34,583	35,254	-1.5	-1.9	-0.9	34,276	34,245	34,972	37,155	-7.7
Measuring and controlling devices	8,817	8,882	8,719	-0.7	+1.9	+0.7	8,817	8,882	8,719	9,188	-4.0
Medical instruments and supplies	7,483	7,774	7,900	-3.7	-1.6	+2.6	7,483	7,774	7,900	8,423	-11.2
All other durable goods	7,896	7,889	7,858	+0.1	+0.4	+0.7	6,958	7,350	7,703	6,657	+4.5
Nondurable goods industries	21,465	21,329	21,140	+0.6	+0.9	-3.0	20,587	20,511	20,958	22,061	-6.7

[p] Preliminary. [r] Revised.

See note at end of table 2 relating to survey variability.

Table 4. VALUE OF MANUFACTURERS' INVENTORIES FOR INDUSTRY GROUPS
(Millions of dollars)

Industry	Seasonally adjusted						Not seasonally adjusted				
	Monthly			Percent Change			Monthly				Percent change
	Dec. 1993[p]	Nov. 1993[r]	Oct. 1993	Nov.-Dec.	Oct.-Nov.	Sept.-Oct.	Dec. 1993[p]	Nov. 1993[r]	Oct. 1993	Dec. 1992	Dec. 93/92
All manufacturing industries	377,941	380,181	380,301	-0.6	0.0	-0.1	371,102	380,579	381,337	372,987	-0.5
Manufacturing industries with unfilled orders	249,443	251,016	251,024	-0.6	0.0	-0.1	242,979	250,784	251,455	246,019	-1.2
without defense capital goods	351,207	352,574	352,773	-0.4	-0.1	0.0	345,489	352,796	353,563	343,998	+0.4
Durable goods industries	236,370	237,886	237,632	-0.6	+0.1	0.0	231,082	238,373	238,113	232,600	-0.7
With unfilled orders	216,112	217,758	217,742	-0.8	0.0	0.0	210,731	218,139	218,470	214,077	-1.6
Stone, clay, and glass products	7,493	7,518	7,594	-0.3	-1.0	-0.1	7,351	7,340	7,365	7,651	-3.9
Primary metals	19,414	19,277	19,328	+0.7	-0.3	+0.5	19,409	19,246	19,452	19,409	0.0
Blast furnaces, steel mills	9,463	9,473	9,470	-0.1	0.0	+1.1	9,728	9,578	9,517	9,991	-2.6
Iron and steel foundries	1,399	1,406	1,406	-0.5	0.0	+1.1	1,377	1,373	1,382	1,387	-0.7
Nonferrous and other primary metals	8,552	8,398	8,452	+1.8	-0.6	-0.3	8,304	8,295	8,553	8,031	+3.4
Fabricated metal products	23,206	23,045	23,139	+0.7	-0.4	-0.5	22,765	22,719	22,874	22,910	-0.6
Industrial machinery and equipment	46,072	46,005	45,828	+0.1	+0.4	+0.8	44,947	46,642	46,455	44,306	+1.4
Engines and turbines	3,442	3,545	3,564	-2.9	-0.5	+1.2	3,090	3,747	3,733	3,177	-2.7
Farm and garden machinery	2,487	2,523	2,367	-1.4	+6.6	+4.8	2,584	2,578	2,289	2,441	+5.9
Construction, mining and material handling equipment	5,586	5,671	5,733	-1.5	-1.1	-0.7	5,480	5,613	5,677	5,806	-5.6
Metalworking machinery	5,228	5,203	5,187	+0.5	+0.3	+0.7	5,050	5,243	5,251	5,072	-0.4
Computer and office equipment	10,945	10,756	10,681	+1.8	+0.7	+0.3	10,595	11,136	11,189	9,814	+8.0
Electronic and other electrical equipment	33,647	33,823	33,520	-0.5	+0.9	+1.0	32,587	33,523	33,379	30,426	+7.1
Electrical transmission and distribution equipment and industrial apparatus	4,200	4,282	4,310	-1.9	-0.6	-0.3	4,051	4,284	4,290	4,234	-4.3
Household appliances	2,607	2,575	2,548	+1.2	+1.1	+2.4	2,406	2,449	2,431	2,188	+10.0
Electric lighting and wiring equipment	2,916	2,879	2,809	+1.3	+2.5	-1.4	2,785	2,864	2,825	2,738	+1.7
Household audio and video equipment	1,033	1,030	1,014	+0.3	+1.6	-3.6	969	975	1,025	1,027	-5.6
Communications equipment	9,093	9,172	9,048	-0.9	+1.4	+3.1	8,895	9,150	8,974	7,382	+20.5
Electronic components	10,637	10,696	10,529	-0.6	+1.6	+2.3	10,446	10,680	10,573	9,539	+9.5
Transportation equipment	61,479	63,178	63,002	-2.7	+0.3	-1.3	60,025	64,082	63,385	65,239	-8.0
Motor vehicles and parts	11,422	11,343	11,391	+0.7	-0.4	-0.2	11,458	11,767	11,666	11,260	+1.8
Aircraft, missiles, space vehicles, and parts	46,001	47,671	47,431	-3.5	+0.5	-1.8	44,574	48,196	47,667	49,800	-10.5
Shipbuilding and tanks	1,565	1,636	1,632	-4.3	+0.2	+2.6	1,491	1,600	1,574	1,766	-15.6
Instruments and related products	22,244	22,317	22,604	-0.3	-1.3	+0.4	21,487	22,364	22,718	22,474	-4.4
Search and navigation equipment	5,855	5,801	6,016	+0.9	-3.6	+0.6	5,621	5,815	6,123	6,430	-12.6
Measuring and controlling devices	6,483	6,533	6,562	-0.8	-0.4	+1.0	6,334	6,537	6,554	6,460	-2.0
Medical instruments and supplies	6,195	6,232	6,249	-0.6	-0.3	-0.3	6,059	6,283	6,279	6,209	-2.4
Photographic goods	2,894	2,928	2,950	-1.2	-0.7	-0.7	2,677	2,920	2,954	2,630	+1.8
All other durable goods	22,815	22,723	22,617	+0.4	+0.5	+1.0	22,511	22,457	22,485	20,185	+11.5
Nondurable goods industries	141,571	142,295	142,669	-0.5	-0.3	-0.3	140,020	142,206	143,224	140,387	-0.3
With unfilled orders	33,331	33,258	33,282	+0.2	-0.1	-0.3	32,248	32,645	32,985	31,942	+1.0
Food and kindred products	30,039	29,937	29,919	+0.3	+0.1	+0.3	30,445	31,377	31,524	30,038	+1.4
Meat products	3,194	3,114	3,155	+2.6	-1.3	-1.4	3,053	3,176	3,175	2,762	+10.5
Dairy products	2,732	2,753	2,772	-0.8	-0.7	+1.2	2,554	2,666	2,754	2,516	+1.5
Beverages	5,323	5,358	5,305	-0.7	+1.0	+0.1	5,339	5,428	5,371	5,326	+0.2
All other foods, except fats and oils	17,121	17,203	17,141	-0.5	+0.4	0.0	17,703	18,447	18,551	17,938	-1.3
Tobacco products	6,429	6,611	6,588	-2.8	+0.3	-1.7	6,525	6,558	6,635	6,847	-4.7
Textile mill products	9,489	9,400	9,262	+0.9	+1.5	+0.6	9,047	9,122	9,085	8,684	+4.2
Broadwoven fabrics and other textiles	5,344	5,315	5,251	+0.5	+1.2	+0.7	5,146	5,245	5,173	5,096	+1.0
Paper and allied products	13,543	13,520	13,579	+0.2	-0.4	-0.2	13,384	13,322	13,302	13,261	+0.9
Pulp, paper, and paperboard mill products	5,797	5,802	5,809	-0.1	-0.1	+0.3	5,756	5,702	5,695	5,511	+4.4
Paperboard containers and boxes	3,127	3,156	3,197	-0.9	-1.3	+0.3	3,152	3,091	3,106	3,275	-3.8
Miscellaneous converted paper products	4,619	4,562	4,573	+1.2	-0.2	-1.0	4,476	4,529	4,501	4,475	0.0
Chemicals and allied products	34,285	34,513	34,691	-0.7	-0.5	-0.9	34,135	34,406	34,372	34,811	-1.9
Industrial chemicals	16,721	16,836	16,981	-0.7	-0.9	-0.9	16,788	16,641	16,725	17,401	-3.5
Drugs, soaps, and toiletries	13,236	13,387	13,405	-1.1	-0.1	-1.3	12,905	13,481	13,424	12,958	-0.4
Petroleum and coal products	9,905	10,406	10,649	-4.8	-2.3	-0.3	9,667	10,657	10,947	11,248	-14.1
Rubber and plastics products	12,186	12,231	12,209	-0.4	+0.2	+0.1	12,225	12,168	12,002	11,861	+3.1
All other nondurable goods	25,695	25,677	25,772	+0.1	-0.4	-0.4	24,592	24,596	25,357	23,637	+4.0

[p] Preliminary. [r] Revised.

See note at end of table 2 relating to survey variability.

Table 5. VALUE OF MANUFACTURERS' SHIPMENTS AND NEW ORDERS FOR TOPICAL SERIES[1]
(Millions of dollars)

Industry	Seasonally adjusted						Not seasonally adjusted [2]						
	Monthly			Percent Change			Monthly				Percent change	Year to date	
	Dec. 1993p	Nov. 1993r	Oct. 1993	Nov.-Dec.	Oct.-Nov.	Sept.-Oct.	Dec. 1993p	Nov. 1993r	Oct. 1993	Dec. 1992	Dec. 93/92	1993p	1992
SHIPMENTS													
All manufacturing industries	269,227	265,574	260,471	+1.4	+2.0	+0.1	263,009	266,399	272,140	249,356	+5.5	3,102,281	2,934,126
Market categories :													
Automotive equipment	13,344	12,911	12,485	+3.4	+3.4	+4.0	11,451	13,163	14,241	9,623	+19.0	143,719	120,542
Home goods and apparel	17,949	18,139	18,097	-1.0	+0.2	+0.4	15,310	19,283	20,484	14,713	+4.1	211,501	189,486
Consumer staples	57,527	56,733	56,906	+1.4	-0.3	-0.7	57,840	57,370	58,792	57,361	+0.8	683,901	664,652
Machinery and equipment	48,592	46,678	44,675	+4.1	+4.5	+1.2	52,797	46,293	45,245	46,473	+13.6	530,385	481,104
Business supplies	19,423	19,481	19,461	-0.3	+0.1	0.0	18,800	19,929	20,856	19,019	-1.2	233,984	229,625
Construction materials and supplies	17,619	17,424	16,819	+1.1	+3.6	+0.5	15,801	17,005	17,856	14,347	+10.1	198,691	184,055
Defense products	6,987	7,400	7,919	-5.6	-6.6	+2.0	8,352	7,683	7,801	9,794	-14.7	91,466	97,482
Other materials, supplies and and intermediate products	87,786	86,808	84,109	+1.1	+3.2	-0.6	82,658	85,673	86,865	78,026	+5.9	1,008,634	967,180
Durable goods industries :													
Nondefense capital goods [3]	36,980	35,327	33,704	+4.7	+4.8	+1.0	42,991	34,560	32,527	38,185	+12.6	402,408	374,380
Excluding aircraft and parts	31,335	30,571	28,681	+2.5	+6.6	+0.2	35,806	30,000	27,839	30,221	+18.5	337,567	299,945
Defense capital goods [4]	6,622	7,023	7,600	-5.7	-7.6	+1.1	8,248	7,421	7,467	10,010	-17.6	88,319	95,953
Durables excluding capital goods	102,400	100,315	96,849	+2.1	+3.6	+0.2	93,699	100,752	104,247	83,646	+12.0	1,141,055	1,036,299
Miscellaneous series :													
Producers' durable equipment	94,358	91,717	88,181	+2.9	+4.0	+1.1	95,036	92,053	92,639	83,563	+13.7	1,039,786	937,205
Household durable goods	7,684	7,711	7,544	-0.4	+2.2	-0.8	7,066	8,243	8,446	6,757	+4.6	89,221	83,088
Information technology industries	17,307	16,441	15,859	+5.3	+3.7	+1.1	21,242	16,422	14,979	17,688	+20.1	185,121	165,743
Health care equipment and products	8,848	8,562	8,369	+3.3	+2.3	0.0	9,146	8,353	8,305	8,630	+6.0	99,198	94,653
NEW ORDERS													
All manufacturing industries	266,019	262,773	258,270	+1.2	+1.7	+1.2	260,570	262,656	268,794	250,087	+4.2	3,068,623	2,898,545
Market categories :													
Automotive equipment	13,387	12,971	12,546	+3.2	+3.4	+4.6	11,467	13,210	14,321	9,573	+19.8	143,999	120,456
Home goods and apparel	17,977	18,204	17,793	-1.2	+2.3	-0.2	14,927	18,514	19,525	14,330	+4.2	211,467	189,841
Consumer staples	57,551	56,739	56,874	+1.4	-0.2	-0.8	57,919	57,347	58,733	57,409	+0.9	683,941	664,752
Machinery and equipment	46,571	46,283	44,230	+0.6	+4.6	+4.6	50,568	46,024	44,707	45,233	+11.8	513,280	464,223
Business supplies	19,454	19,429	19,525	+0.1	-0.5	+0.5	18,883	19,794	20,745	19,201	-1.7	233,673	229,481
Construction materials and supplies	17,478	17,473	16,647	0.0	+5.0	+0.8	15,714	16,853	17,458	14,437	+8.8	198,258	184,110
Defense products	5,818	5,401	5,765	+7.7	-6.3	-13.4	8,271	6,322	6,569	10,769	-23.2	79,139	83,324
Other materials, supplies and and intermediate products	87,783	86,273	84,890	+1.8	+1.6	+1.9	82,821	84,592	86,736	79,135	+4.7	1,004,866	962,358
Durable goods industries :													
Nondefense capital goods [3]	35,366	34,878	32,825	+1.4	+6.3	+5.9	41,154	34,382	31,653	36,800	+11.8	382,810	355,832
Excluding aircraft and parts	33,031	31,104	29,984	+6.2	+3.7	+3.3	37,279	30,804	29,147	29,949	+24.5	343,058	297,302
Defense capital goods [4]	5,634	5,172	5,304	+8.9	-2.5	-17.7	8,177	6,048	6,091	10,798	-24.3	75,746	80,284
Durables excluding capital goods	101,658	99,625	98,484	+2.0	+1.2	+2.9	93,092	99,007	104,551	85,109	+9.4	1,141,042	1,035,251
Miscellaneous series :													
Producers' durable equipment	92,348	91,814	88,698	+0.6	+3.5	+3.5	92,401	91,602	92,741	82,760	+11.6	1,027,617	918,953
Household durable goods	7,800	7,756	7,594	+0.6	+2.1	-0.2	6,940	7,840	8,146	6,416	+8.2	89,712	83,108
Information technology industries	17,082	17,264	16,309	-1.1	+5.9	+3.5	20,529	17,351	15,379	18,404	+11.5	186,091	164,091
Health care equipment and products	8,557	8,437	8,566	+1.4	-1.5	+5.2	8,854	8,227	8,502	8,458	+4.7	98,258	94,846

p Preliminary. r Revised.

[1] Topical series are regroupings of the separate industry categories.

[2] Shipments and new orders are the totals for the period and are adjusted for trading-day and calendar-month variations.

[3] Nondefense capital goods industries include : ordnance and accessories; steam, gas and hydraulic turbines; internal combustion engines; construction, mining, and mat handling equipment; metalworking machinery; special industry machinery; general industrial machinery; computer and office equipment; refrigeration, heating and se industry machinery; electrical transmission and distribution equipment; electrical industrial apparatus; communications equipment; aircraft, missiles, space vehicles, and eng and parts; ships and tank components; railroad equipment; and search and navigation equipment.

[4] Defense capital goods industries include : ordnance and accessories; communications equipment; aircraft, missiles, space vehicles, and engines and parts; ships, t and tank components; and search and navigation equipment.

See note at end of table 2 relating to survey variability.

Table 6. VALUE OF MANUFACTURERS' UNFILLED ORDERS AND TOTAL INVENTORIES FOR TOPICAL SERIES[1]
(Millions of dollars)

Industry	Seasonally adjusted						Not seasonally adjusted				
	Monthly			Percent Change			Monthly				Percent change
	Dec. 1993[p]	Nov. 1993[r]	Oct. 1993	Nov.-Dec.	Oct.-Nov.	Sept.-Oct.	Dec. 1993[p]	Nov. 1993[r]	Oct. 1993	Dec. 1992	Dec. 93/92
UNFILLED ORDERS											
All manufacturing industries	442,111	445,319	448,120	-0.7	-0.6	-0.5	438,528	440,967	444,710	472,186	-7.1
Market categories :											
Automotive equipment	1,895	1,852	1,792	+2.3	+3.3	+3.5	1,865	1,850	1,803	1,584	+17.7
Home goods and apparel	9,944	9,916	9,852	+0.3	+0.6	-3.0	8,557	8,940	9,709	8,591	-0.4
Consumer staples	1,433	1,409	1,403	+1.7	+0.4	-2.2	1,479	1,400	1,423	1,439	+2.8
Machinery and equipment	180,955	182,976	183,371	-1.1	-0.2	-0.2	180,401	182,630	182,899	197,505	-8.7
Business supplies	5,470	5,439	5,491	+0.6	-0.9	+1.2	5,377	5,294	5,429	5,689	-5.5
Construction materials and supplies	14,206	14,347	14,298	-1.0	+0.3	-1.2	13,893	13,981	14,132	14,327	-3.0
Defense products	110,217	111,386	113,384	-1.0	-1.8	-1.9	111,009	111,090	112,451	123,336	-10.0
Other materials, supplies and and intermediate products	117,991	117,994	118,529	0.0	-0.5	+0.7	115,947	115,782	116,864	119,715	-3.1
Durable goods industries :											
Nondefense capital goods [3]	197,850	199,464	199,913	-0.8	-0.2	-0.4	197,586	199,423	199,601	217,184	-9.0
Excluding aircraft and parts	76,015	74,319	73,786	+2.3	+0.7	+1.8	75,751	74,278	73,474	70,260	+7.8
Defense capital goods [4]	116,721	117,709	119,560	-0.8	-1.5	-1.9	117,207	117,278	118,651	129,780	-9.7
Durables excluding capital goods	106,075	106,817	107,507	-0.7	-0.6	+1.5	103,148	103,755	105,500	103,161	0.0
Miscellaneous series :											
Producers' durable equipment	207,871	209,881	209,784	-1.0	0.0	+0.2	206,205	208,840	209,291	218,374	-5.6
Household durable goods	5,754	5,638	5,593	+2.1	+0.8	+0.9	4,917	5,043	5,446	4,426	+11.1
Information technology industries	32,393	32,618	31,795	-0.7	+2.6	+1.4	32,086	32,799	31,870	31,116	+3.1
Health care equipment and products	7,513	7,804	7,930	-3.7	-1.6	+2.5	7,512	7,805	7,930	8,451	-11.1
TOTAL INVENTORIES											
All manufacturing industries	377,941	380,181	380,301	-0.6	0.0	-0.1	371,102	380,579	381,337	372,987	-0.5
Market categories :											
Automotive equipment	6,049	6,058	6,095	-0.1	-0.6	-1.1	6,024	6,181	6,094	5,966	+1.0
Home goods and apparel	30,674	30,542	30,580	+0.4	-0.1	+0.2	29,453	29,121	29,787	27,542	+6.9
Consumer staples	57,659	58,200	58,333	-0.9	-0.2	-0.6	57,427	59,575	59,993	58,568	-1.9
Machinery and equipment	87,807	88,657	88,611	-1.0	+0.1	+0.4	85,439	89,571	89,097	85,557	-0.1
Business supplies	21,114	21,152	21,226	-0.2	-0.3	-0.4	20,491	21,033	21,327	20,938	-2.1
Construction materials and supplies	23,981	23,925	23,709	+0.2	+0.9	+0.1	23,489	23,558	23,442	22,194	+5.8
Defense products	25,395	26,212	26,103	-3.1	+0.4	-1.9	24,482	26,309	26,302	27,396	-10.6
Other materials, supplies and and intermediate products	125,262	125,435	125,644	-0.1	-0.2	+0.1	124,297	125,231	125,295	124,826	-0.4
Durable goods industries :											
Nondefense capital goods [3]	82,269	83,134	83,207	-1.0	-0.1	+0.3	79,978	83,991	83,839	80,968	-1.2
Excluding aircraft and parts	56,324	56,368	56,326	-0.1	+0.1	+0.9	54,563	56,924	56,887	52,709	+3.5
Defense capital goods [4]	26,734	27,607	27,528	-3.2	+0.3	-1.9	25,613	27,783	27,774	28,989	-11.6
Durables excluding capital goods	127,367	127,145	126,897	+0.2	+0.2	+0.3	125,491	126,599	126,500	122,643	+2.3
Miscellaneous series :											
Producers' durable equipment	141,870	142,600	142,642	-0.5	0.0	+0.2	138,471	143,316	143,177	137,783	+0.5
Household durable goods	13,504	13,483	13,503	+0.2	-0.1	+0.6	12,936	13,076	13,341	12,222	+5.8
Information technology industries	30,354	30,339	30,233	0.0	+0.4	+0.9	29,387	30,759	30,696	27,428	+7.1
Health care equipment and products	13,382	13,500	13,526	-0.9	-0.2	-0.8	13,070	13,601	13,565	13,245	-1.3

See footnotes at end of table 5.

See note at end of table 2 relating to survey variability.

Table 7. VALUE OF MANUFACTURERS' INVENTORIES, BY STAGE OF FABRICATION, BY INDUSTRY GROUP
(Millions of dollars)

Industry	Seasonally adjusted						Not seasonally adjusted				
	Monthly			Percent Change			Monthly				Percent change
	Dec. 1993[p]	Nov. 1993[r]	Oct. 1993	Nov.-Dec.	Oct.-Nov.	Sept.-Oct.	Dec. 1993[p]	Nov. 1993[r]	Oct. 1993	Dec. 1992	Dec. 93/92
MATERIALS AND SUPPLIES											
All manufacturing industries	120,364	121,033	120,781	-0.6	+0.2	-0.1	121,081	121,103	120,945	121,327	-0.2
Durable goods industries	68,388	68,670	68,522	-0.4	+0.2	+0.1	68,521	68,916	68,799	68,315	+0.3
Stone, clay, and glass products	2,517	2,515	2,513	+0.1	+0.1	-0.4	2,543	2,508	2,503	2,543	0.0
Primary metals	5,967	5,942	5,905	+0.4	+0.6	-0.7	6,230	6,040	6,024	6,532	-4.6
Fabricated metal products	8,133	7,852	7,679	+3.6	+2.3	-1.9	8,264	7,788	7,583	8,263	0.0
Industrial machinery and equipment	14,237	14,487	14,337	-1.7	+1.0	+1.4	14,051	14,504	14,423	13,835	+1.6
Electronic and other electrical equipment	10,454	10,648	10,657	-1.8	-0.1	-0.4	10,418	10,623	10,634	10,223	+1.9
Transportation equipment	11,205	11,341	11,586	-1.2	-2.1	-0.3	11,098	11,398	11,575	12,004	-7.5
Instruments and related products	6,798	6,719	6,725	+1.2	-0.1	-0.4	6,641	6,662	6,682	6,809	-2.5
Lumber, furniture and miscellaneous durable goods	9,077	9,166	9,120	-1.0	+0.5	+2.0	9,276	9,393	9,375	8,106	+14.4
Nondurable goods industries	51,976	52,363	52,259	-0.7	+0.2	-0.4	52,560	52,187	52,146	53,012	-0.9
Food and kindred products	10,055	9,967	9,990	+0.9	-0.2	-0.8	10,252	10,200	10,170	10,335	-0.8
Tobacco products	5,243	5,350	5,357	-2.0	-0.1	0.0	5,560	5,263	5,246	5,586	-0.5
Textile mill products	2,683	2,686	2,666	-0.1	+0.8	+1.5	2,628	2,574	2,569	2,623	+0.2
Paper and allied products	6,756	6,760	6,777	-0.1	-0.3	-0.4	6,786	6,696	6,743	6,695	+1.4
Chemicals and allied products	11,363	11,400	11,253	-0.3	+1.3	-1.9	11,365	11,338	11,245	11,623	-2.2
Petroleum and coal products	2,810	3,015	3,051	-6.8	-1.2	+1.8	2,866	3,075	3,083	3,248	-11.8
Rubber and plastics products	4,379	4,433	4,376	-1.2	+1.3	-0.2	4,525	4,469	4,384	4,528	-0.1
Apparel, printing and publishing and leather goods	8,687	8,752	8,789	-0.7	-0.4	+0.1	8,578	8,572	8,706	8,374	+2.4
WORK IN PROCESS											
All manufacturing industries	128,825	129,596	130,380	-0.6	-0.6	+0.3	125,129	130,560	131,952	126,312	-0.9
Durable goods industries	105,364	106,119	106,943	-0.7	-0.8	+0.2	102,240	106,892	108,010	103,993	-1.7
Stone, clay, and glass products	1,023	1,048	1,072	-2.4	-2.2	-2.7	965	988	1,030	1,090	-11.5
Primary metals	7,277	7,311	7,475	-0.5	-2.2	+2.6	7,125	7,233	7,491	7,006	+1.7
Fabricated metal products	7,489	7,502	7,742	-0.2	-3.1	+1.6	7,254	7,471	7,785	7,392	-1.9
Industrial machinery and equipment	18,520	18,436	18,730	+0.5	-1.6	+1.9	17,835	19,067	19,386	16,866	+5.7
Electronic and other electrical equipment	14,012	14,080	14,047	-0.5	+0.2	+1.0	13,499	14,018	14,045	12,602	+7.1
Transportation equipment	42,837	43,487	43,481	-1.5	0.0	-1.2	41,829	43,924	43,787	45,129	-7.3
Instruments and related products	9,393	9,518	9,710	-1.3	-2.0	+0.2	9,035	9,570	9,851	9,865	-8.4
Lumber, furniture and miscellaneous durable goods	4,813	4,737	4,686	+1.6	+1.1	-0.2	4,698	4,621	4,635	4,043	+16.2
Nondurable goods industries	23,461	23,477	23,437	-0.1	+0.2	+0.5	22,889	23,668	23,942	22,319	+2.6
Food and kindred products	4,082	4,045	4,004	+0.9	+1.0	+4.3	4,313	4,370	4,380	3,915	+10.2
Tobacco products	164	180	167	-8.9	+7.8	-7.2	162	266	239	150	+8.0
Textile mill products	2,606	2,564	2,517	+1.6	+1.9	+0.4	2,498	2,529	2,521	2,289	+9.1
Paper and allied products	1,188	1,178	1,189	+0.8	-0.9	-2.8	1,175	1,148	1,142	1,205	-2.5
Chemicals and allied products	5,795	5,743	5,776	+0.9	-0.6	+0.3	5,622	5,723	5,795	5,408	+4.0
Petroleum and coal products	2,103	2,288	2,395	-8.1	-4.5	-2.3	1,973	2,313	2,493	2,660	-25.8
Rubber and plastics products	1,783	1,767	1,760	+0.9	+0.4	+1.9	1,776	1,808	1,793	1,625	+9.3
Apparel, printing and publishing and leather goods	5,740	5,712	5,629	+0.5	+1.5	-0.2	5,370	5,511	5,579	5,067	+6.0
FINISHED GOODS											
All manufacturing industries	128,752	129,552	129,140	-0.6	+0.3	-0.5	124,892	128,916	128,440	125,348	-0.4
Durable goods industries	62,618	63,097	62,167	-0.8	+1.5	-0.4	60,321	62,565	61,304	60,292	0.0
Stone, clay, and glass products	3,953	3,955	4,009	-0.1	-1.3	+0.8	3,843	3,844	3,832	4,018	-4.4
Primary metals	6,170	6,024	5,948	+2.4	+1.3	-1.0	6,054	5,973	5,937	5,871	+3.1
Fabricated metal products	7,584	7,691	7,718	-1.4	-0.3	-1.3	7,247	7,460	7,506	7,255	-0.1
Industrial machinery and equipment	13,315	13,082	12,761	+1.8	+2.5	-1.5	13,061	13,071	12,646	13,605	-4.0
Electronic and other electrical equipment	9,181	9,095	8,816	+0.9	+3.2	+2.7	8,670	8,882	8,700	7,601	+14.1
Transportation equipment	7,437	8,350	7,935	-10.9	+5.2	-3.6	7,098	8,760	8,023	8,106	-12.4
Instruments and related products	6,053	6,080	6,169	-0.4	-1.4	+1.4	5,811	6,132	6,185	5,800	+0.2
Lumber, furniture and miscellaneous durable goods	8,925	8,820	8,811	+1.2	+0.1	+0.5	8,537	8,443	8,475	8,036	+6.2
Nondurable goods industries	66,134	66,455	66,973	-0.5	-0.8	-0.5	64,571	66,351	67,136	65,056	-0.7
Food and kindred products	15,902	15,925	15,925	-0.1	0.0	0.0	15,880	16,807	16,974	15,788	+0.6
Tobacco products	1,022	1,081	1,064	-5.5	+1.6	-8.7	803	1,029	1,150	1,111	-27.7
Textile mill products	4,200	4,150	4,079	+1.2	+1.7	+0.2	3,921	4,019	3,995	3,772	+4.0
Paper and allied products	5,599	5,582	5,613	+0.3	-0.6	+0.7	5,423	5,478	5,417	5,361	+1.2
Chemicals and allied products	17,127	17,370	17,662	-1.4	-1.7	-0.7	17,148	17,345	17,332	17,780	-3.6
Petroleum and coal products	4,992	5,103	5,203	-2.2	-1.9	-0.5	4,828	5,269	5,371	5,340	-9.6
Rubber and plastics products	6,024	6,031	6,073	-0.1	-0.7	-0.2	5,924	5,891	5,825	5,708	+3.8
Apparel, printing and publishing and leather goods	11,268	11,213	11,354	+0.5	-1.2	-0.9	10,644	10,513	11,072	10,196	+4.4

[p] Preliminary. [r] Revised.

See note at end of table 2 relating to survey variability.

Table 8. RATIOS OF MANUFACTURES' INVENTORIES TO SHIPMENTS AND UNFILLED ORDERS TO SHIPMENTS, BY INDUSTRY GROUP
(Based on seasonally adjusted data)

Industry	Inventory / Shipments ratio				Unfilled Orders / Shipments ratio[1]			
	Dec. 1993[p]	Nov. 1993[r]	Oct. 1993	Sept. 1993	Dec. 1993[p]	Nov. 1993[r]	Oct. 1993	Sept. 1993
All manufacturing industries	1.40	1.43	1.46	1.46	3.04	3.12	3.21	3.22
Durable goods industries	1.62	1.67	1.72	1.73	3.64	3.75	3.89	3.89
Stone, clay, and glass products	1.17	1.21	1.26	1.23	1.21	1.24	1.28	1.27
Primary metals	1.59	1.63	1.70	1.67	1.83	1.89	1.97	1.91
Fabricated metal products	1.59	1.58	1.61	1.63	1.51	1.51	1.58	1.62
Industrial machinery and equipment	1.75	1.79	1.88	1.86	2.14	2.18	2.26	2.22
Electronic and other electrical equipment	1.59	1.65	1.69	1.66	2.14	2.22	2.32	2.22
Transportation equipment	1.62	1.72	1.73	1.82	11.28	11.69	11.66	12.10
Instruments and related products	2.00	2.02	2.11	2.07	4.62	4.72	4.93	4.84
Nondurable goods industries	1.15	1.16	1.17	1.17	0.72	0.72	0.71	0.73
Food and kindred products	0.85	0.85	0.86	0.85	(X)	(X)	(X)	(X)
Tobacco products	2.69	2.86	2.76	2.54	(X)	(X)	(X)	(X)
Textile mill products	1.62	1.61	1.59	1.60	(NA)	(NA)	(NA)	(NA)
Paper and allied products	1.26	1.25	1.27	1.25	(NA)	(NA)	(NA)	(NA)
Chemicals and allied products	1.28	1.29	1.34	1.35	(X)	(X)	(X)	(X)
Petroleum and coal products	0.90	0.93	0.91	0.91	(X)	(X)	(X)	(X)
Rubber and plastics products	1.36	1.37	1.40	1.40	(X)	(X)	(X)	(X)

[p] Preliminary. [r] Revised. (X) Not applicable. (NA) Not available.

[1] Excludes the following industries with no unfilled orders : Wood and lumber products; glass containers; metal cans, barrels and drums; farm and garden machinery; motor vehicle assembly operations; other transportation equipment; foods and related products; tobacco; knitting mill products; apparel and related products; chemicals; petroleum and coal products; and rubber and plastics products.

Table 9. REVISIONS TO PREVIOUSLY PUBLISHED MONTHLY PERCENT CHANGES
(Based on seasonally adjusted data)

Industry	Shipments			New orders			Unfilled orders			Inventories		
	Dec.[1] 1993	Dec.[2] 1988-1992	Dec. 1992-Nov. 1993	Dec.[1] 1993	Dec.[2] 1988-1992	Dec. 1992-Nov. 1993	Dec.[1] 1993	Dec.[2] 1988-1992	Dec. 1992-Nov. 1993	Dec.[1] 1993	Dec.[2] 1988-1992	Dec. 1992-Nov. 1993
All manufacturing industries	(X)	0.1	0.2	(X)	0.1	0.2	(X)	0.0	0.1	(X)	0.1	0.1
Durable goods industries	0.1	0.1	0.3	-0.1	0.2	0.3	-0.1	0.1	0.1	(X)	0.1	0.1
Stone, clay, and glass products	(X)	0.5	0.5	(X)	0.5	1.2	(X)	0.5	0.7	(X)	0.1	0.1
Primary metals	-0.1	0.4	0.3	0.0	0.5	1.0	0.1	0.1	0.3	(X)	0.0	0.1
Fabricated metal products	(X)	0.4	0.2	(X)	0.7	0.5	(X)	0.2	0.4	(X)	0.1	0.3
Industrial machinery and equipment	0.2	0.3	0.6	-0.3	0.7	0.7	-0.3	0.2	0.1	(X)	0.1	0.1
Electronic and other electrical equipment	-0.5	0.3	0.3	-1.4	0.3	0.6	-0.4	0.0	0.2	(X)	0.1	0.0
Transportation equipment	0.4	0.2	0.6	1.7	0.4	0.9	0.2	0.0	0.1	(X)	0.1	0.1
Instruments and related products	(X)	0.1	0.3	(X)	0.9	1.3	(X)	0.4	0.2	(X)	0.1	0.1
Nondurable goods industries	(X)	0.0	0.1	(X)	0.0	0.1	(X)	0.2	0.4	(X)	0.1	0.1
Food and kindred products	(X)	0.1	0.1	(X)	(X)	(X)	(X)	(X)	(X)	(X)	0.3	0.1
Tobacco products	(X)	0.3	0.2	(X)	(X)	(X)	(X)	(X)	(X)	(X)	0.0	0.1
Textile mill products	(X)	0.4	0.2	(X)	(NA)	(NA)	(X)	(NA)	(NA)	(X)	0.4	0.1
Paper and allied products	(X)	0.1	0.3	(X)	(NA)	(NA)	(X)	(NA)	(NA)	(X)	0.1	0.1
Chemicals and allied products	(X)	0.2	0.2	(X)	(X)	(X)	(X)	(X)	(X)	(X)	0.0	0.2
Petroleum and coal products	(X)	0.1	0.4	(X)	(X)	(X)	(X)	(X)	(X)	(X)	0.1	0.3
Rubber and plastics products	(X)	0.6	0.2	(X)	(X)	(X)	(X)	(X)	(X)	(X)	0.3	0.2
Capital goods industries :												
Nondefense	-0.4	0.2	0.5	-0.6	0.4	0.8	0.0	0.1	0.1	(X)	0.1	0.1
Defense	-1.1	0.2	0.6	-3.7	0.7	2.3	-0.2	0.0	0.2	(X)	0.0	0.1

(X) Not applicable. (NA) Not available.

Note : The five year and the twelve month revisions are the differences between the month-to-month percent changes of the preliminary and final estimates. The monthly averages are the simple averages of the absolute values of the differences for the months specified. The advance to final percent change revisions for the durable goods industries are shown in the advance report for the month.

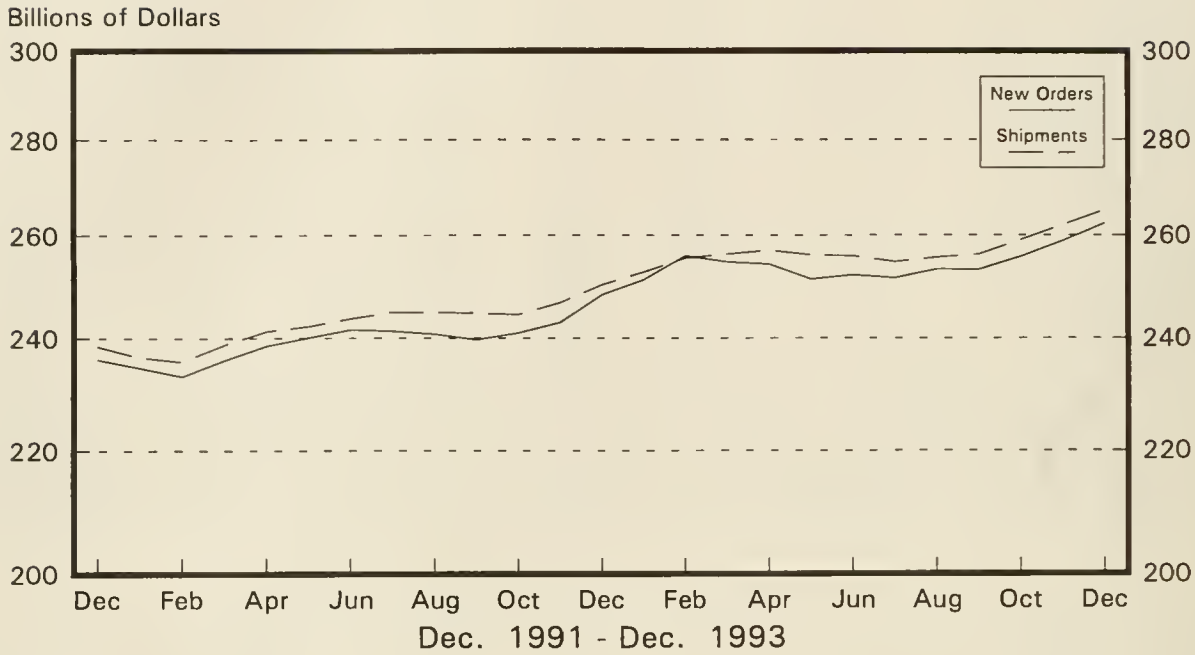
[1] The current month revisions are the difference between the advance percent change and the percent change as shown in this publication.

[2] Average for this month for the last five years.

See note at end of table 2 relating to survey variability.

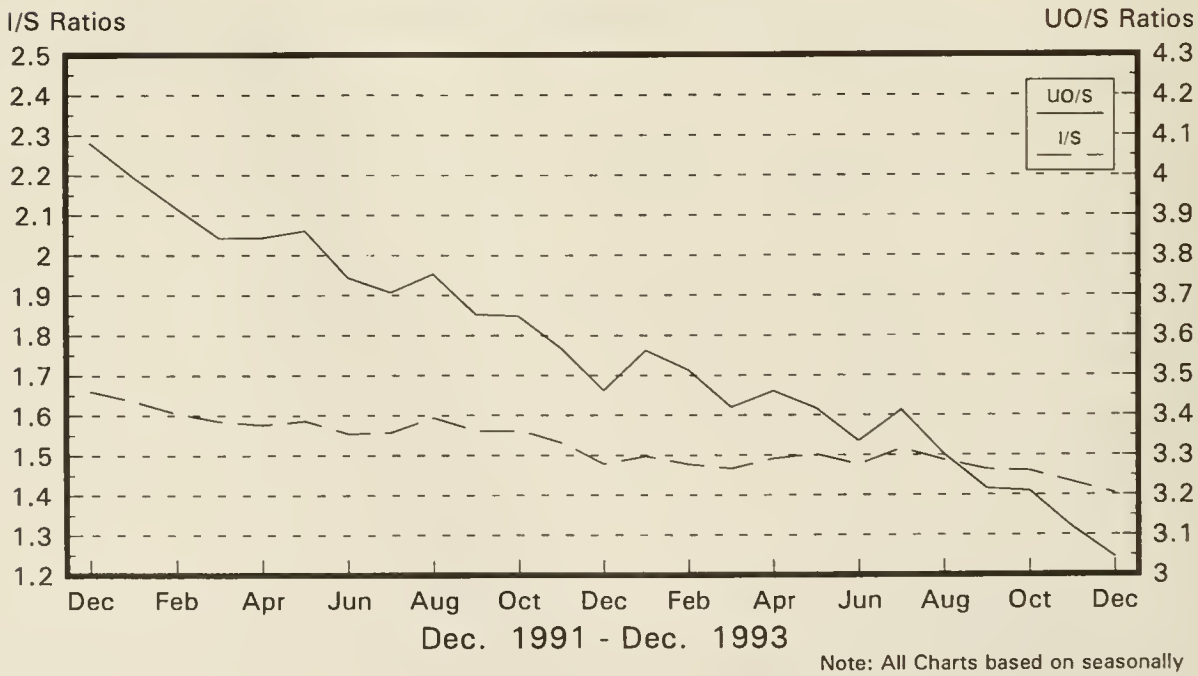
Total Manufacturing

New Orders and Shipments
Three Month Moving Averages



Total Manufacturing

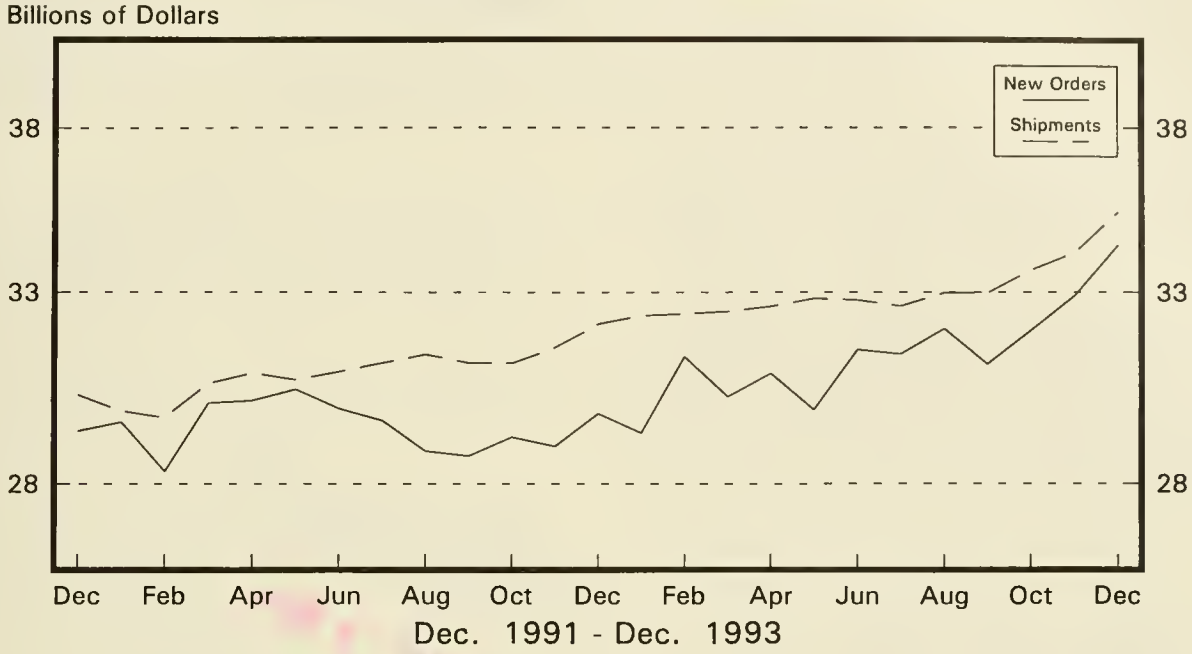
Ratio of Unfilled Orders and
Inventories to Shipments



Note: All Charts based on seasonally adjusted current dollars.

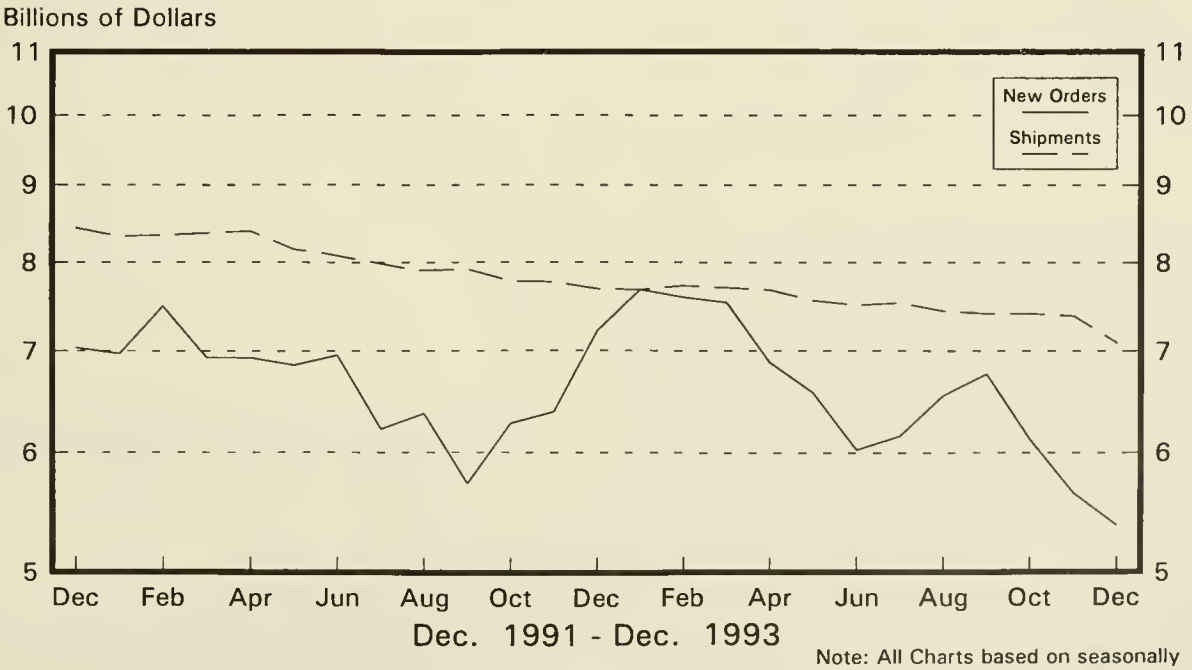
Nondefense Capital Goods

New Orders and Shipments
Three Month Moving Averages



Defense Capital Goods

New Orders and Shipments
Three Month Moving Averages



Note: All Charts based on seasonally adjusted current dollars.

U.S. Department of Commerce
BUREAU OF THE CENSUS
Washington, D.C. 20233

Official Business

Penalty for Private Use, $300

U.S.MAIL

POSTAGE AND FEES P
U S DEPARTMENT OF COMME

COM-2

First Class Mail

CHINTENDEN UNIVERSITY
DEPOSITORY
MAY 4 1994
BUSTON PUBLIC LIBRARY

3.158:
13-1-(94)-02
UN 28 1994
PUBLIC LIBRARY

Manufacturers' Shipments, Inventories, and Orders

U. S. Department of Commerce
Economics and Statistics Administration
BUREAU OF THE CENSUS

February 1994
M3-1-(94)-02
For Wire Transmissions 10:00 a.m. E.S.T. March 30, 1994

Steve Andrews or Kathy Menth
(301)763-2502 or (301)763-2575

Note: All figures in text are in seasonally adjusted current dollars

Summary

New orders for manufactured goods in February decreased $2.7 billion or 1.0 percent to $269.9 billion, the Department of Commerce, Bureau of the Census reported today. This is the first decline since July and follows a 2.4 percent January increase. A decline in durables more than offset an increase in nondurables.

Shipments increased $2.8 billion or 1.1 percent to $271.2 billion, following a 0.5 percent decrease in January. This is the sixth increase in the last seven months. Both durables and nondurables increased.

Unfilled orders decreased $1.3 billion or 0.3 percent to $445.0 billion, the eleventh decline in the last twelve months. The unfilled orders-to-shipments ratio decreased from 3.11 in January to 3.07 in February.

Inventories increased $1.1 billion or 0.3 percent to $380.0 billion, the second consecutive increase. Both durables and nondurables increased. The inventories-to-shipments ratio decreased from 1.41 in January to 1.40 in February.

New Orders

New orders for durable goods in February decreased $3.9 billion or 2.6 percent to $144.7 billion, the first decline since July. This follows a 4.3 percent increase in January. Transportation equipment had the largest decrease, down $3.5 billion or 8.6 percent to $37.8 billion, due to aircraft and parts. This follows four consecutive monthly increases. Excluding transportation equipment, new orders decreased $0.3 billion or 0.3 percent, the first decline since May. Following two consecutive monthly increases, electronic and other electrical equipment decreased $1.2 billion or 5.4 percent to $21.1 billion, as a decline in electronic components more than offset an increase in communications equipment. Industrial machinery and equipment, up seven of the last eight months, had the largest increase, up $1.1 billion or 4.1 percent to $26.9 billion, with increases in nearly all categories.

New orders for nondurable goods increased $1.1 billion or 0.9 percent to $125.2 billion, primarily due to food and kindred products and petroleum and coal products. This follows a 0.2 percent increase in January and is the fourth consecutive monthly increase.

Shipments

Shipments of durable goods in February increased $1.5 billion or 1.0 percent to $146.2 billion, following a 1.0 percent decline in January. This is the sixth increase in the last seven months. Industrial machinery and equipment, up three of the last four months, had the largest increase, up $1.3 billion or 5.0 percent to $26.3 billion, with increases in nearly all categories. Primary metals, also up three of the last four months, increased $0.3 billion or 2.7 percent to $12.1 billion. Transportation equipment, down for the first time since July, decreased $0.2 billion or 0.4 percent to $38.9 billion, due to aircraft and parts.

Shipments of nondurable goods increased $1.4 billion or 1.1 percent to $125.0 billion, following a 0.1 percent increase in January. This is the fourth consecutive monthly increase. All major groups increased except tobacco products and chemicals and allied products. The largest increases were in food and kindred products, up $0.5 billion or 1.5 percent to $35.6 billion, and petroleum and coal products, up $0.5 billion or 4.3 percent to $11.5 billion. Textile mill products and paper and allied products each increased $0.2 billion.

Unfilled Orders

Unfilled orders for durable goods in February decreased $1.5 billion or 0.3 percent to $422.7 billion, following a 0.9 percent increase in January. This is the eleventh decline in the last twelve months. Transportation equipment, down twenty-one of the last twenty-two months, had the largest decrease, down $1.1 billion or 0.5 percent to $214.5 billion, due to aircraft and parts and shipbuilding and tanks. Instruments and related products, down for the tenth consecutive month, declined $0.6 billion or 1.2 percent to $50.0 billion, primarily due to search and navigation equipment. Industrial machinery and equipment, up for the eighth consecutive month, had the largest increase, up $0.6 billion or 1.1 percent to $54.5 billion, with increases in nearly all categories. Unfilled orders for nondurable goods increased $0.2 billion or 1.0 percent to $22.3 billion, the fourth monthly increase in a row.

Inventories

Inventories for durable goods in February increased $0.5 billion or 0.2 percent to $238.7 billion, following a 0.8 percent increase in January. Electronic and other electrical equipment, up seven of the last eight months, had the largest increase, up $0.4 billion or 1.2 percent to $34.7 billion. Industrial machinery and equipment increased $0.3 billion or 0.6 percent to $46.9 billion, the eleventh consecutive monthly increase. Transportation equipment had the largest decrease, down $0.5 billion or 0.8 percent to $61.4 billion, due to aircraft and parts. Nondurable goods inventories, up for the first time since August, increased $0.6 billion or 0.4 percent to $141.3 billion, primarily due to petroleum and coal products and chemicals and allied products.

By stage of fabrication, finished goods increased 0.8 percent in durables and 0.8 percent in nondurables. Work in process decreased 0.7 percent in durables and 0.1 percent in nondurables. Materials and supplies increased 0.9 percent in durables and 0.2 percent in nondurables.

The advance report on durable goods for March is scheduled for April 27, 1994 at 8:30 a.m. and the full report on May 4, 1994 at 10:00 a.m. For sale by the Superintendent of Documents, U.S. Government Printing Office, Washington, DC 20402. This report is also available the day of issue through the Department of Commerce's online Economic Bulletin Board (N-8-1) (202-482-3870) and through the Census Bureau's online information service—CENDATA. CENDATA is available from Dialog Information Services, Inc. (1-800-334-2564) and CompuServe (1-800-848-8199). The CENDATA staff at the Bureau of the Census (301-763-2074) can provide content information and general guidance.

Table 1. VALUE OF MANUFACTURERS' SHIPMENTS FOR INDUSTRY GROUPS
(Millions of dollars)

Industry	Seasonally adjusted						Not seasonally adjusted[1]						
	Monthly			Percent Change			Monthly				Percent change	Year to date	
	Feb. 1994[p]	Jan. 1994[r]	Dec. 1993	Jan.-Feb.	Dec.-Jan.	Nov.-Dec.	Feb. 1994[p]	Jan. 1994[r]	Dec. 1993	Feb. 1993	Feb. 94/93	1994[p]	1993
All manufacturing industries	271,175	268,330	269,722	+1.1	-0.5	+1.6	267,734	241,178	262,967	252,299	+6.1	508,912	479,080
Manufacturing Industries													
with unfilled orders	144,915	143,444	145,224	+1.0	-1.2	+1.7	142,527	127,352	147,477	132,989	+7.2	269,879	250,952
without defense capital goods	264,294	261,095	263,208	+1.2	-0.8	+1.8	261,182	235,369	254,876	244,934	+6.6	496,551	465,728
Durable goods industries	146,171	144,709	146,182	+1.0	-1.0	+2.5	145,373	127,662	144,924	132,542	+9.7	273,035	246,814
With unfilled orders	114,753	113,705	115,276	+0.9	-1.4	+2.1	112,563	99,801	118,429	103,863	+8.4	212,364	194,389
Stone, clay, and glass products	6,314	6,254	6,403	+1.0	-2.3	+2.9	5,792	5,276	5,447	5,261	+10.1	11,068	9,850
Primary metals	12,115	11,802	12,045	+2.7	-2.0	+1.6	12,323	11,199	11,011	11,700	+5.3	23,522	22,509
Blast furnaces, steel mills	5,653	5,339	5,459	+5.9	-2.2	+0.6	5,738	5,180	4,991	5,204	+10.3	10,918	10,097
Iron and steel foundries	1,161	1,153	1,146	+0.7	+0.6	+2.0	1,194	1,056	937	1,073	+11.3	2,250	2,026
Nonferrous and other primary metals	5,301	5,310	5,440	-0.2	-2.4	+2.7	5,391	4,963	5,083	5,423	-0.6	10,354	10,386
Fabricated metal products	14,696	14,975	14,758	-1.9	+1.5	+1.0	14,567	13,455	13,940	13,773	+5.8	28,022	26,086
Industrial machinery and equipment	26,349	25,098	26,285	+5.0	-4.5	+2.3	25,571	21,393	29,048	22,063	+15.9	46,964	41,247
Engines and turbines	1,759	1,566	1,859	+12.3	-15.8	+9.7	1,578	1,325	2,723	1,453	+8.6	2,903	2,545
Farm and garden machinery	1,641	1,522	1,491	+7.8	+2.1	-2.1	1,966	1,403	1,321	1,675	+17.4	3,369	2,972
Construction, mining and material handling equipment	2,663	2,629	2,604	+1.3	+1.0	+1.7	2,754	2,327	2,422	2,521	+9.2	5,081	4,633
Metalworking machinery	2,674	2,670	2,677	+0.1	-0.3	-2.2	2,588	2,206	2,968	2,471	+4.7	4,794	4,674
Computer and office equipment	7,125	6,870	7,078	+3.7	-2.9	+2.5	6,234	5,233	9,765	5,187	+20.2	11,467	9,639
Electronic and other electrical equipment	21,285	21,083	21,039	+1.0	+0.2	+2.8	21,009	18,540	22,039	18,137	+15.8	39,549	33,559
Electrical transmission and distribution equipment and industrial apparatus	2,587	2,536	2,480	+2.0	+2.3	-1.4	2,671	2,221	2,476	2,424	+10.2	4,892	4,465
Household appliances	1,801	1,686	1,657	+6.8	+1.8	-3.4	1,747	1,427	1,540	1,552	+12.6	3,174	2,847
Electric lighting and wiring equipment	1,722	1,733	1,642	-0.6	+5.5	-2.5	1,768	1,523	1,713	1,696	+4.2	3,291	3,129
Household audio and video equipment	997	988	948	+0.9	+4.2	+0.2	900	810	893	820	+9.8	1,710	1,572
Communications equipment	4,500	4,403	4,799	+2.2	-8.3	+11.2	4,274	3,629	6,095	3,392	+26.0	7,903	6,284
Electronic components	7,316	7,420	7,391	-1.4	+0.4	+4.1	7,433	6,910	7,209	6,496	+14.4	14,343	12,004
Transportation equipment	38,894	39,053	38,334	-0.4	+1.9	+4.2	40,210	34,315	36,850	36,668	+9.7	74,525	66,895
Motor vehicles and parts	27,772	27,398	26,618	+1.4	+2.9	+4.5	29,507	25,047	22,696	24,832	+18.8	54,554	45,554
Aircraft, missiles, space vehicles, and parts	8,485	9,208	9,078	-7.9	+1.4	+7.2	8,046	7,169	11,485	9,250	-13.0	15,215	16,805
Shipbuilding and tanks	1,015	951	942	+6.7	+1.0	-10.1	1,006	741	1,184	1,028	-2.1	1,747	1,814
Instruments and related products	10,840	10,756	11,043	+0.8	-2.6	-0.1	10,390	9,547	11,912	10,228	+1.6	19,937	19,543
Search and navigation equipment	2,545	2,568	2,450	-0.9	+4.8	-7.9	2,411	2,111	2,928	2,638	-8.6	4,522	4,895
Measuring and controlling devices	3,068	3,041	3,203	+0.9	-5.1	+4.6	2,997	2,863	3,286	2,863	+4.7	5,860	5,426
Medical instruments and supplies	2,957	2,891	3,188	+2.3	-9.3	+3.3	2,904	2,688	3,342	2,804	+3.6	5,592	5,505
Photographic goods	1,927	1,904	1,849	+1.2	+3.0	-2.1	1,740	1,578	2,029	1,590	+9.4	3,318	3,079
All other durable goods	15,678	15,688	16,275	-0.1	-3.6	+1.8	15,511	13,937	14,677	14,712	+5.4	29,448	27,125
Nondurable goods industries	125,004	123,621	123,540	+1.1	+0.1	+0.5	122,361	113,516	118,043	119,757	+2.2	235,877	232,266
With unfilled orders	30,162	29,739	29,948	+1.4	-0.7	+0.4	29,964	27,551	29,048	29,126	+2.9	57,515	56,563
Food and kindred products	35,583	35,073	35,693	+1.5	-1.7	+1.7	34,735	31,985	35,096	32,882	+5.6	66,720	63,881
Meat products	8,145	8,132	8,003	+0.2	+1.6	+0.6	7,868	7,561	7,733	7,471	+5.3	15,429	14,809
Dairy products	4,721	4,585	4,582	+3.0	+0.1	+0.4	4,532	4,200	4,398	4,237	+7.0	8,732	8,245
Beverages	5,120	4,940	5,068	+3.6	-2.5	+0.5	4,644	4,243	4,746	4,330	+7.3	8,887	8,491
All other foods, except fats and oils	15,723	15,579	16,217	+0.9	-3.9	+4.1	15,817	14,144	16,396	15,053	+5.1	29,961	28,923
Tobacco products	3,304	3,387	2,632	-2.5	+28.7	+13.8	2,670	2,584	3,054	2,124	+25.7	5,254	4,128
Textile mill products	6,039	5,845	5,891	+3.3	-0.8	+1.0	5,889	5,044	5,309	5,733	+2.7	10,933	10,971
Broadwoven fabrics and other textiles	3,755	3,595	3,700	+4.5	-2.8	+2.7	3,721	3,162	3,451	3,640	+2.2	6,883	7,024
Paper and allied products	10,824	10,621	10,735	+1.9	-1.1	-0.7	10,859	10,228	10,391	10,765	+0.9	21,087	21,313
Pulp, paper, and paperboard mill products	4,279	4,241	4,280	+0.9	-0.9	-1.7	4,313	4,087	4,207	4,373	-1.4	8,400	8,643
Paperboard containers and boxes	2,719	2,668	2,667	+1.9	0.0	-0.1	2,689	2,554	2,499	2,615	+2.8	5,243	5,153
Miscellaneous converted paper products	3,826	3,712	3,788	+3.1	-2.0	-0.1	3,857	3,587	3,685	3,777	+2.1	7,444	7,517
Chemicals and allied products	26,516	26,555	26,678	-0.1	-0.5	+0.1	26,464	25,316	25,370	26,052	+1.6	51,780	50,615
Industrial chemicals	13,619	13,667	13,395	-0.4	+2.0	-1.7	13,878	12,948	12,347	13,823	+0.4	26,826	26,409
Drugs, soaps, and toiletries	9,873	9,873	10,287	0.0	-4.0	+1.9	9,666	9,685	10,516	9,393	+2.9	19,351	18,777
Petroleum and coal products	11,527	11,056	10,918	+4.3	+1.3	-2.9	10,269	9,919	10,483	11,980	-14.3	20,188	23,746
Rubber and plastics products	8,889	8,873	8,989	+0.2	-1.3	+0.5	9,038	8,265	8,002	8,860	+2.0	17,303	16,920
All other nondurable goods	22,322	22,211	22,004	+0.5	+0.9	-0.1	22,437	20,175	20,338	21,361	+5.0	42,612	40,692

[p] Preliminary. [r] Revised.

[1] Shipments and new orders are the totals for the period and are adjusted for trading-day and calendar-month variations.

See note at end of table 2 relating to survey variability.

Table 2. VALUE OF MANUFACTURERS' NEW ORDERS FOR INDUSTRY GROUPS
(Millions of dollars)

Industry	Seasonally adjusted						Not seasonally adjusted[1]						
	Monthly			Percent Change			Monthly				Percent change	Year to date	
	Feb. 1994[p]	Jan. 1994[r]	Dec. 1993	Jan.-Feb.	Dec.-Jan.	Nov.-Dec.	Feb. 1994[p]	Jan. 1994[r]	Dec. 1993	Feb. 1993	Feb. 94/93	1994[p]	1993
All manufacturing industries	269,914	272,616	266,351	-1.0	+2.4	+1.4	268,673	249,955	260,358	254,237	+5.7	518,628	485,445
Manufacturing industries with unfilled orders	143,654	147,730	141,853	-2.8	+4.1	+1.3	143,466	136,129	144,868	134,927	+6.3	279,595	257,317
without defense capital goods	264,347	264,878	261,112	-0.2	+1.4	+1.4	264,034	242,962	252,407	248,735	+6.2	506,996	472,458
Durable goods industries	144,698	148,549	142,481	-2.6	+4.3	+2.0	145,660	135,776	142,095	134,067	+8.6	281,436	252,285
With unfilled orders	113,280	117,545	111,575	-3.6	+5.4	+1.5	112,850	107,915	115,600	105,388	+7.1	220,765	199,860
Stone, clay, and glass products	6,393	6,365	6,445	+0.4	-1.2	+3.7	6,166	5,357	5,330	5,850	+5.4	11,523	10,462
Primary metals	12,199	12,051	12,068	+1.2	-0.1	+1.9	13,106	12,436	11,528	12,930	+1.4	25,542	25,567
Blast furnaces, steel mills	5,667	5,367	5,312	+5.6	+1.0	-2.7	6,279	5,784	5,036	6,342	-1.0	12,063	12,544
Iron and steel foundries	1,228	1,193	1,144	+2.9	+4.3	-0.9	1,178	1,247	905	978	+20.4	2,425	2,122
Nonferrous and other primary metals	5,304	5,491	5,612	-3.4	-2.2	+7.3	5,649	5,405	5,587	5,610	+0.7	11,054	10,901
Fabricated metal products	14,536	14,706	14,618	-1.2	+0.6	+3.7	14,433	13,479	14,152	13,700	+5.4	27,912	26,391
Industrial machinery and equipment	26,940	25,872	26,820	+4.1	-3.5	+0.6	26,536	23,094	29,486	22,621	+17.3	49,630	42,854
Engines and turbines	1,844	1,612	1,693	+14.4	-4.8	+11.0	1,511	1,318	2,535	1,238	+22.1	2,829	2,292
Construction, mining and material handling equipment	2,780	2,614	2,606	+6.4	+0.3	+1.2	2,953	2,462	2,485	2,601	+13.5	5,415	4,942
Metalworking machinery	2,881	3,194	3,068	-9.8	+4.1	+7.6	2,795	2,730	3,359	2,455	+13.8	5,525	4,502
Computer and office equipment	6,960	6,859	7,003	+1.5	-2.1	-8.1	6,168	5,325	9,172	5,683	+8.5	11,493	10,137
Electronic and other electrical equipment	21,088	22,300	20,703	-5.4	+7.7	+3.9	21,551	20,539	21,181	18,328	+17.6	42,090	35,506
Electrical transmission and distribution equipment and industrial apparatus	2,694	2,707	2,419	-0.5	+11.9	-3.4	2,805	2,438	2,389	2,496	+12.4	5,243	4,759
Electric lighting and wiring equipment	1,712	1,782	1,609	-3.9	+10.8	-10.4	1,758	1,572	1,680	1,747	+0.6	3,330	3,258
Communications equipment	4,767	4,218	4,777	+13.0	-11.7	+10.0	4,551	3,454	5,994	3,181	+43.1	8,005	5,990
Electronic components	6,847	8,481	7,078	-19.3	+19.8	+14.5	7,480	8,385	6,829	6,588	+13.5	15,865	13,238
Transportation equipment	37,752	41,292	35,726	-8.6	+15.6	+3.7	38,507	37,425	34,582	35,832	+7.5	75,932	63,579
Aircraft, missiles, space vehicles, and parts	7,712	11,616	5,489	-33.6	+111.6	-20.7	6,601	10,309	8,255	8,604	-23.3	16,910	12,572
Shipbuilding and tanks	563	723	428	-22.1	+68.9	+71.2	571	508	586	577	-1.0	1,079	2,336
Instruments and related products	10,216	10,463	9,838	-2.4	+6.4	-6.1	9,819	9,206	11,581	9,893	-0.7	19,025	20,043
Search and navigation equipment	2,072	1,964	1,641	+5.5	+19.7	-17.5	2,001	1,446	2,973	2,292	-12.7	3,447	5,111
Measuring and controlling devices	3,120	3,147	3,153	-0.9	-0.2	-2.3	3,049	2,969	3,236	2,950	+3.4	6,018	5,569
Medical instruments and supplies	2,778	3,060	2,870	-9.2	+6.6	-3.1	2,725	2,857	3,024	2,570	+6.0	5,582	5,542
All other durable goods	15,574	15,500	16,262	+0.5	-4.7	+1.6	15,542	14,240	14,255	14,913	+4.2	29,782	27,883
Nondurable goods industries	125,216	124,067	123,870	+0.9	+0.2	+0.6	123,013	114,179	118,263	120,170	+2.4	237,192	233,160
With unfilled orders	30,374	30,185	30,278	+0.6	-0.3	+0.9	30,616	28,214	29,268	29,539	+3.6	58,830	57,457

[p] Preliminary. [r] Revised.

[1] Shipments and new orders are the totals for the period and are adjusted for trading-day and calendar-month variations.

(n) When new orders for a prior month are negative because of cancellations, the percentage change calculation is algebraically negative, even though there is a net dollar increase from the prior month to the current month.

Note : Estimates of manufacturers' shipments, inventories and orders are subject to survey variability and revision. Since the survey panel is not a probability sample, estimates of sampling variability cannot be calculated. Further details on survey design, methodology, and data limitation are contained in our most recent annual benchmark publication, Current Industrial Reports: M3-1(92), "Manufacturers' Shipments, Inventories, and Orders: 1982-1992."

Table 3. VALUE OF MANUFACTURERS' UNFILLED ORDERS FOR INDUSTRY GROUPS
(Millions of dollars)

Industry	Seasonally adjusted						Not seasonally adjusted				
	Monthly			Percent Change			Monthly				Percent change
	Feb. 1994[p]	Jan. 1994[r]	Dec. 1993	Jan.-Feb.	Dec.-Jan.	Nov.-Dec.	Feb. 1994[p]	Jan. 1994[r]	Dec. 1993	Feb. 1993	Feb. 94/93
All manufacturing industries	444,972	446,233	441,947	-0.3	+1.0	-0.8	448,074	447,135	438,358	478,551	-6.4
Manufacturing industries without defense capital goods	329,349	329,296	325,513	0.0	+1.2	-0.6	331,665	328,813	321,220	349,136	-5.0
Durable goods industries	422,655	424,128	420,288	-0.3	+0.9	-0.9	426,028	425,741	417,627	455,596	-6.5
Stone, clay, and glass products	7,426	7,347	7,236	+1.1	+1.5	+0.6	7,274	6,900	6,819	7,004	+3.9
Primary metals	22,754	22,670	22,421	+0.4	+1.1	+0.1	23,568	22,785	21,548	23,734	-0.7
Blast furnaces, steel mills	10,291	10,277	10,249	+0.1	+0.3	-1.4	10,857	10,316	9,712	10,869	-0.1
Iron and steel foundries	3,202	3,135	3,095	+2.1	+1.3	-0.1	3,218	3,234	3,043	2,926	+10.0
Nonferrous and other primary metals	9,261	9,258	9,077	0.0	+2.0	+1.9	9,493	9,235	8,793	9,939	-4.5
Fabricated metal products	19,676	19,836	20,105	-0.8	-1.3	-0.7	19,936	20,070	20,046	23,066	-13.6
Industrial machinery and equipment	54,531	53,940	53,166	+1.1	+1.5	+1.0	55,644	54,679	52,978	51,726	+7.6
Engines and turbines	9,972	9,887	9,841	+0.9	+0.5	-1.7	10,065	10,132	10,139	9,803	+2.7
Construction, mining and material handling equipment	5,918	5,801	5,816	+2.0	-0.3	0.0	6,125	5,926	5,791	5,908	+3.7
Metalworking machinery	8,066	7,859	7,335	+2.6	+7.1	+5.6	8,066	7,859	7,335	7,161	+12.6
Computer and office equipment	7,388	7,553	7,564	-2.2	-0.1	-1.0	7,277	7,343	7,251	7,619	-4.5
Electronic and other electrical equipment	46,204	46,401	45,184	-0.4	+2.7	-0.7	46,979	46,437	44,438	44,034	+6.7
Electrical transmission and distribution equipment and industrial apparatus	6,082	5,975	5,804	+1.8	+2.9	-1.0	6,121	5,987	5,770	5,846	+4.7
Electric lighting and wiring equipment	3,276	3,286	3,237	-0.3	+1.5	-1.0	3,276	3,286	3,237	3,109	+5.4
Communications equipment	15,117	14,850	15,035	+1.8	-1.2	-0.1	15,134	14,857	15,032	13,128	+15.3
Electronic components	16,095	16,564	15,503	-2.8	+6.8	-2.0	16,626	16,579	15,104	16,916	-1.7
Transportation equipment	214,489	215,631	213,392	-0.5	+1.0	-1.2	214,883	216,586	213,476	242,530	-11.4
Aircraft, missiles, space vehicles, and parts	185,469	186,242	183,834	-0.4	+1.3	-1.9	185,720	187,165	184,025	212,943	-12.8
Shipbuilding and tanks	18,700	19,152	19,380	-2.4	-1.2	-2.6	18,628	19,063	19,296	21,736	-14.3
Instruments and related products	49,991	50,615	50,908	-1.2	-0.6	-2.3	50,482	51,053	51,394	56,087	-10.0
Search and navigation equipment	32,697	33,170	33,774	-1.4	-1.8	-2.3	33,215	33,625	34,290	37,371	-11.1
Measuring and controlling devices	8,990	8,938	8,832	+0.6	+1.2	-0.6	8,990	8,938	8,832	9,331	-3.7
Medical instruments and supplies	7,446	7,625	7,456	-2.3	+2.3	-4.1	7,446	7,625	7,456	8,460	-12.0
All other durable goods	7,584	7,688	7,876	-1.4	-2.4	-0.2	7,262	7,231	6,928	7,415	-2.1
Nondurable goods industries	22,317	22,105	21,659	+1.0	+2.1	+1.5	22,046	21,394	20,731	22,955	-4.0

[p] Preliminary. [r] Revised.

See note at end of table 2 relating to survey variability.

Table 4. VALUE OF MANUFACTURERS' INVENTORIES FOR INDUSTRY GROUPS
(Millions of dollars)

Industry	Seasonally adjusted						Not seasonally adjusted				
	Monthly			Percent Change			Monthly				Percent change
	Feb. 1994[p]	Jan. 1994[r]	Dec. 1993	Jan.-Feb.	Dec.-Jan.	Nov.-Dec.	Feb. 1994[p]	Jan. 1994[r]	Dec. 1993	Feb. 1993	Feb. 94/93
All manufacturing industries	379,973	378,908	377,425	+0.3	+0.4	-0.7	381,389	377,539	370,419	381,149	+0.1
Manufacturing industries											
with unfilled orders	251,476	250,721	249,207	+0.3	+0.6	-0.7	251,598	248,226	242,681	251,672	0.0
without defense capital goods	353,666	352,324	350,755	+0.4	+0.4	-0.5	355,473	351,773	344,821	352,118	+1.0
Durable goods industries	238,660	238,172	236,303	+0.2	+0.8	-0.7	239,659	236,590	230,853	238,245	+0.6
With unfilled orders	218,245	217,627	216,003	+0.3	+0.8	-0.8	218,452	215,512	210,533	218,689	-0.1
Stone, clay, and glass products	7,509	7,556	7,493	-0.6	+0.8	-0.3	7,709	7,571	7,351	7,968	-3.3
Primary metals	19,570	19,487	19,442	+0.4	+0.2	+0.9	19,530	19,459	19,432	19,370	+0.8
Blast furnaces, steel mills	9,572	9,550	9,485	+0.2	+0.7	+0.1	9,582	9,700	9,721	9,737	-1.6
Iron and steel foundries	1,424	1,424	1,414	0.0	+0.7	+0.6	1,451	1,426	1,389	1,423	+2.0
Nonferrous and other primary metals	8,574	8,513	8,543	+0.7	-0.4	+1.7	8,497	8,333	8,322	8,210	+3.5
Fabricated metal products	23,159	23,048	23,066	+0.5	-0.1	+0.1	23,264	22,994	22,627	23,299	-0.2
Industrial machinery and equipment	46,913	46,629	46,158	+0.6	+1.0	+0.3	47,305	46,492	44,946	45,254	+4.5
Engines and turbines	3,497	3,490	3,441	+0.2	+1.4	-2.9	3,416	3,305	3,089	3,426	-0.3
Farm and garden machinery	2,456	2,478	2,474	-0.9	+0.2	-1.9	2,660	2,667	2,577	2,489	+6.9
Construction, mining and material handling equipment	5,583	5,622	5,594	-0.7	+0.5	-1.4	5,672	5,653	5,488	6,014	-5.7
Metalworking machinery	5,308	5,266	5,230	+0.8	+0.7	+0.5	5,297	5,182	5,044	5,274	+0.4
Computer and office equipment	11,390	11,176	10,996	+1.9	+1.6	+2.2	11,344	11,004	10,599	9,870	+14.9
Electronic and other electrical equipment	34,732	34,313	33,625	+1.2	+2.0	-0.6	34,659	33,834	32,561	31,731	+9.2
Electrical transmission and distribution equipment and industrial apparatus	4,236	4,247	4,159	-0.3	+2.1	-2.9	4,216	4,161	4,022	4,349	-3.1
Household appliances	2,632	2,632	2,602	0.0	+1.2	+1.0	2,716	2,597	2,395	2,553	+6.4
Electric lighting and wiring equipment	2,976	2,950	2,915	+0.9	+1.2	+1.3	2,922	2,850	2,773	2,809	+4.0
Household audio and video equipment	1,034	1,026	1,037	+0.8	-1.1	+0.7	993	979	971	1,023	-2.9
Communications equipment	9,751	9,344	9,076	+4.4	+3.0	-1.0	9,781	9,290	8,866	7,834	+24.9
Electronic components	10,931	10,929	10,638	0.0	+2.7	-0.5	10,865	10,842	10,458	9,766	+11.3
Transportation equipment	61,386	61,904	61,588	-0.8	+0.5	-2.5	61,745	61,375	60,053	66,727	-7.5
Motor vehicles and parts	11,626	11,578	11,510	+0.4	+0.6	+1.5	11,876	11,719	11,495	11,583	+2.5
Aircraft, missiles, space vehicles, and parts	45,672	46,194	46,026	-1.1	+0.4	-3.5	45,660	45,474	44,583	50,706	-10.0
Shipbuilding and tanks	1,547	1,564	1,572	-1.1	-0.5	-3.9	1,551	1,551	1,497	1,840	-15.7
Instruments and related products	21,857	21,887	22,115	-0.1	-1.0	-0.9	21,693	21,393	21,411	22,954	-5.5
Search and navigation equipment	5,569	5,645	5,815	-1.3	-2.9	+0.2	5,508	5,456	5,623	6,386	-13.7
Measuring and controlling devices	6,466	6,450	6,482	+0.2	-0.5	-0.8	6,447	6,376	6,337	6,618	-2.6
Medical instruments and supplies	6,153	6,122	6,155	+0.5	-0.5	-1.2	6,110	6,022	6,020	6,288	-2.8
Photographic goods	2,860	2,860	2,854	0.0	+0.2	-2.5	2,817	2,741	2,646	2,889	-2.5
All other durable goods	23,534	23,348	22,816	+0.8	+2.3	+0.4	23,754	23,472	22,472	20,942	+13.4
Nondurable goods industries	141,313	140,736	141,122	+0.4	-0.3	-0.8	141,730	140,949	139,566	142,904	-0.8
With unfilled orders	33,231	33,094	33,204	+0.4	-0.3	-0.2	33,146	32,714	32,148	32,983	+0.5
Food and kindred products	30,069	30,077	30,059	0.0	+0.1	+0.4	30,188	30,600	30,451	29,995	+0.6
Meat products	3,270	3,257	3,209	+0.4	+1.5	+3.1	3,326	3,207	3,052	3,041	+9.4
Dairy products	2,701	2,714	2,730	-0.5	-0.6	-0.8	2,596	2,633	2,553	2,617	-0.8
Beverages	5,365	5,397	5,347	-0.6	+0.9	-0.2	5,338	5,394	5,353	5,239	+1.9
All other foods, except fats and oils	17,016	17,007	17,100	+0.1	-0.5	-0.6	17,118	17,516	17,698	17,537	-2.4
Tobacco products	5,917	6,028	6,365	-1.8	-5.3	-3.7	6,248	6,413	6,513	7,101	-12.0
Textile mill products	9,649	9,652	9,470	0.0	+1.9	+0.7	9,767	9,594	8,984	9,220	+5.9
Broadwoven fabrics and other textiles	5,407	5,394	5,346	+0.2	+0.9	+0.6	5,499	5,420	5,129	5,326	+3.2
Paper and allied products	13,475	13,394	13,487	+0.6	-0.7	-0.2	13,621	13,444	13,366	13,641	-0.1
Pulp, paper, and paperboard mill products	5,794	5,792	5,783	0.0	+0.2	-0.3	5,881	5,849	5,758	5,669	+3.7
Paperboard containers and boxes	3,151	3,048	3,102	+3.4	-1.7	-1.7	3,192	3,087	3,139	3,332	-4.2
Miscellaneous converted paper products	4,530	4,554	4,602	-0.5	-1.0	+0.9	4,548	4,508	4,469	4,640	-2.0
Chemicals and allied products	34,204	33,991	34,247	+0.6	-0.7	-0.8	34,665	34,189	34,091	35,364	-2.0
Industrial chemicals	16,290	16,383	16,634	-0.6	-1.5	-1.2	16,534	16,623	16,717	17,458	-5.3
Drugs, soaps, and toiletries	13,541	13,259	13,293	+2.1	-0.3	-0.7	13,406	13,002	12,963	13,227	+1.4
Petroleum and coal products	10,258	9,986	9,875	+2.7	+1.1	-5.1	9,923	9,612	9,630	11,247	-11.8
Rubber and plastics products	12,407	12,302	12,213	+0.9	+0.7	-0.1	12,572	12,445	12,239	11,972	+5.0
All other nondurable goods	25,334	25,306	25,406	+0.1	-0.4	-1.1	24,746	24,652	24,292	24,364	+1.6

[p] Preliminary. [r] Revised.

See note at end of table 2 relating to survey variability.

Table 5. VALUE OF MANUFACTURERS' SHIPMENTS AND NEW ORDERS FOR TOPICAL SERIES[1]
(Millions of dollars)

Industry	Seasonally adjusted						Not seasonally adjusted [2]						
	Monthly			Percent Change			Monthly				Percent change	Year to date	
	Feb. 1994p	Jan. 1994r	Dec. 1993	Jan.-Feb.	Dec.-Jan.	Nov.-Dec.	Feb. 1994p	Jan. 1994r	Dec. 1993	Feb. 1993	Feb. 94/93	1994p	1993
SHIPMENTS													
All manufacturing industries	271,175	268,330	269,722	+1.1	-0.5	+1.6	267,734	241,178	262,967	252,299	+6.1	508,912	479,080
Market categories :													
Automotive equipment	14,045	13,832	13,519	+1.5	+2.3	+4.7	14,797	12,525	11,521	12,609	+17.4	27,322	23,108
Home goods and apparel	18,123	17,953	17,967	+0.9	-0.1	-0.9	18,186	15,581	15,339	17,325	+5.0	33,767	32,315
Consumer staples	58,353	57,684	57,752	+1.2	-0.1	+1.8	56,023	52,830	57,729	54,389	+3.0	108,853	106,580
Machinery and equipment	48,042	46,676	48,700	+2.9	-4.2	+4.3	47,026	40,000	52,955	41,500	+13.3	87,026	77,594
Business supplies	19,910	19,691	19,525	+1.1	+0.9	+0.2	19,592	18,146	18,880	19,174	+2.2	37,738	37,008
Construction materials and supplies	17,319	17,330	17,669	-0.1	-1.9	+1.4	16,453	14,963	15,842	15,709	+4.7	31,416	29,247
Defense products	7,269	7,579	6,935	-4.1	+9.3	-6.3	6,985	6,220	8,261	7,574	-7.8	13,205	13,859
Other materials, supplies and and intermediate products	88,114	87,585	87,655	+0.6	-0.1	+1.0	88,672	80,913	82,440	84,019	+5.5	169,585	159,369
Durable goods industries :													
Nondefense capital goods [3]	35,811	34,777	36,946	+3.0	-5.9	+4.6	34,204	28,889	43,100	30,605	+11.8	63,093	56,856
Excluding aircraft and parts	31,083	29,614	31,289	+5.0	-5.4	+2.3	29,737	24,937	35,927	25,399	+17.1	54,674	47,325
Defense capital goods [4]	6,881	7,235	6,514	-4.9	+11.1	-7.2	6,552	5,809	8,091	7,365	-11.0	12,361	13,352
Durables excluding capital goods	103,479	102,697	102,722	+0.8	0.0	+2.4	104,617	92,964	93,733	94,572	+10.6	197,581	176,606
Miscellaneous series :													
Producers' durable equipment	94,857	93,098	94,637	+1.9	-1.6	+3.2	94,841	82,026	95,169	83,965	+13.0	176,867	156,695
Household durable goods	7,691	7,644	7,775	+0.6	-1.7	+0.8	7,576	6,561	7,156	7,226	+4.8	14,137	13,422
Information technology industries	16,856	16,467	17,154	+2.4	-4.0	+4.3	15,514	13,520	21,299	13,340	+16.3	29,034	24,950
Health care equipment and products	8,316	8,250	8,769	+0.8	-5.9	+2.4	8,156	7,941	9,034	7,905	+3.2	16,097	15,689
NEW ORDERS													
All manufacturing industries	269,914	272,616	266,351	-1.0	+2.4	+1.4	268,673	249,955	260,358	254,237	+5.7	518,628	485,445
Market categories :													
Automotive equipment	14,040	13,851	13,598	+1.4	+1.9	+4.8	14,821	12,591	11,574	12,646	+17.2	27,412	23,213
Home goods and apparel	18,091	18,086	18,134	0.0	-0.3	-0.4	18,602	16,620	15,062	17,954	+3.6	35,222	34,038
Consumer staples	58,369	57,667	57,769	+1.2	-0.2	+1.8	56,019	52,781	57,806	54,393	+3.0	108,800	106,557
Machinery and equipment	48,092	48,350	46,457	-0.5	+4.1	+0.4	47,539	42,502	50,548	42,641	+11.5	90,041	76,740
Business supplies	19,936	19,663	19,514	+1.4	+0.8	+0.4	19,711	18,092	18,954	19,273	+2.3	37,803	37,161
Construction materials and supplies	17,317	17,329	17,503	-0.1	-1.0	+0.2	16,673	15,044	15,738	16,192	+3.0	31,717	30,029
Defense products	6,084	8,537	5,476	-28.7	+55.9	+1.4	5,185	7,708	8,079	5,626	-7.8	12,893	13,232
Other materials, supplies and and intermediate products	87,985	89,133	87,900	-1.3	+1.4	+1.9	90,123	84,617	82,597	85,512	+5.4	174,740	164,475
Durable goods industries :													
Nondefense capital goods [3]	36,290	36,630	35,059	-0.9	+4.5	+0.5	35,069	31,650	41,014	31,526	+11.2	66,719	55,497
Excluding aircraft and parts	31,910	30,407	32,867	+4.9	-7.5	+5.7	30,950	26,638	37,307	26,092	+18.6	57,588	49,167
Defense capital goods [4]	5,567	7,738	5,239	-28.1	+47.7	+1.3	4,639	6,993	7,951	5,502	-15.7	11,632	12,987
Durables excluding capital goods	102,841	104,181	102,183	-1.3	+2.0	+2.6	105,952	97,133	93,130	97,039	+9.2	203,085	183,801
Miscellaneous series :													
Producers' durable equipment	94,706	95,242	92,531	-0.6	+2.9	+0.8	95,445	86,282	92,472	85,951	+11.0	181,727	158,737
Household durable goods	7,624	7,591	7,875	+0.4	-3.6	+1.5	7,711	7,227	6,948	7,495	+2.9	14,938	14,432
Information technology industries	16,949	16,380	16,952	+3.5	-3.4	-1.8	15,710	13,538	20,586	13,854	+13.4	29,248	25,309
Health care equipment and products	8,137	8,419	8,451	-3.3	-0.4	+0.2	7,977	8,108	8,714	7,671	+4.0	16,085	15,726

p Preliminary. r Revised.

[1] Topical series are regroupings of the separate industry categories.

[2] Shipments and new orders are the totals for the period and are adjusted for trading-day and calendar-month variations.

[3] Nondefense capital goods industries include : ordnance and accessories; steam, gas and hydraulic turbines; internal combustion engines; construction, mining, and mate handling equipment; metalworking machinery; special industry machinery; general industrial machinery; computer and office equipment; refrigeration, heating and ser industry machinery; electrical transmission and distribution equipment; electrical industrial apparatus; communications equipment; aircraft, missiles, space vehicles, and engi and parts; ships and tank components; railroad equipment; and search and navigation equipment.

[4] Defense capital goods industries include : ordnance and accessories; communications equipment; aircraft, missiles, space vehicles, and engines and parts; ships, ta and tank components; and search and navigation equipment.

See note at end of table 2 relating to survey variability.

Table 6. VALUE OF MANUFACTURERS' UNFILLED ORDERS AND TOTAL INVENTORIES FOR TOPICAL SERIES[1]
(Millions of dollars)

Industry	Seasonally adjusted						Not seasonally adjusted				
	Monthly			Percent Change			Monthly				Percent change
	Feb. 1994[p]	Jan. 1994[r]	Dec. 1993	Jan.-Feb.	Dec.-Jan.	Nov.-Dec.	Feb. 1994[p]	Jan. 1994[r]	Dec. 1993	Feb. 1993	Feb. 94/93
UNFILLED ORDERS											
All manufacturing industries	444,972	446,233	441,947	-0.3	+1.0	-0.8	448,074	447,135	438,358	478,551	-6.4
Market categories :											
Automotive equipment	1,945	1,950	1,931	-0.3	+1.0	+4.3	1,992	1,968	1,902	1,690	+17.9
Home goods and apparel	10,184	10,216	10,083	-0.3	+1.3	+1.7	10,117	9,701	8,663	10,314	-1.9
Consumer staples	1,423	1,408	1,426	+1.1	-1.3	+1.2	1,423	1,427	1,476	1,416	+0.5
Machinery and equipment	182,457	182,406	180,732	0.0	+0.9	-1.2	183,238	182,725	180,222	196,651	-6.8
Business supplies	5,425	5,399	5,428	+0.5	-0.5	-0.2	5,433	5,314	5,368	5,841	-7.0
Construction materials and supplies	14,177	14,179	14,181	0.0	0.0	-1.2	14,176	13,956	13,876	15,109	-6.2
Defense products	109,699	110,885	109,927	-1.1	+0.9	-1.3	110,597	112,397	110,908	122,709	-9.9
Other materials, supplies and and intermediate products	119,662	119,790	118,239	-0.1	+1.3	+0.2	121,098	119,647	115,943	124,821	-3.0
Durable goods industries :											
Nondefense capital goods [3]	199,908	199,429	197,576	+0.2	+0.9	-0.9	200,963	200,098	197,337	215,825	-6.9
Excluding aircraft and parts	77,517	76,690	75,897	+1.1	+1.0	+2.1	78,572	77,359	75,658	72,102	+9.0
Defense capital goods [4]	115,623	116,937	116,434	-1.1	+0.4	-1.1	116,409	118,322	117,138	129,415	-10.0
Durables excluding capital goods	107,124	107,762	106,278	-0.6	+1.4	-0.5	108,656	107,321	103,152	110,356	-1.5
Miscellaneous series :											
Producers' durable equipment	209,767	209,918	207,774	-0.1	+1.0	-1.0	211,003	210,399	206,143	220,416	-4.3
Household durable goods	5,618	5,685	5,738	-1.2	-0.9	+1.8	5,636	5,501	4,835	5,436	+3.7
Information technology industries	32,422	32,329	32,416	+0.3	-0.3	-0.6	32,300	32,104	32,086	31,475	+2.6
Health care equipment and products	7,475	7,654	7,486	-2.3	+2.2	-4.1	7,474	7,653	7,485	8,488	-11.9
TOTAL INVENTORIES											
All manufacturing industries	379,973	378,908	377,425	+0.3	+0.4	-0.7	381,389	377,539	370,419	381,149	+0.1
Market categories :											
Automotive equipment	6,080	6,107	6,075	-0.4	+0.5	+0.3	6,309	6,209	6,011	6,332	-0.4
Home goods and apparel	30,725	30,616	30,405	+0.4	+0.7	-0.4	30,490	30,255	29,136	28,816	+5.8
Consumer staples	57,553	57,248	57,659	+0.5	-0.7	-0.9	57,509	57,468	57,474	59,050	-2.6
Machinery and equipment	89,063	88,659	87,804	+0.5	+1.0	-1.0	89,785	88,055	85,305	88,776	+1.1
Business supplies	21,128	20,999	21,033	+0.6	-0.2	-0.6	21,062	20,650	20,385	21,470	-1.9
Construction materials and supplies	24,492	24,421	23,914	+0.3	+2.1	0.0	24,733	24,339	23,398	23,081	+7.2
Defense products	24,989	25,276	25,329	-1.1	-0.2	-3.4	24,691	24,602	24,446	27,424	-10.0
Other materials, supplies and and intermediate products	125,943	125,582	125,206	+0.3	+0.3	-0.2	126,810	125,961	124,264	126,200	+0.5
Durable goods industries :											
Nondefense capital goods [3]	83,623	83,270	82,351	+0.4	+1.1	-0.9	84,106	82,623	79,937	83,559	+0.7
Excluding aircraft and parts	57,754	57,086	56,351	+1.2	+1.3	0.0	57,881	56,456	54,501	54,343	+6.5
Defense capital goods [4]	26,307	26,584	26,670	-1.0	-0.3	-3.4	25,916	25,766	25,598	29,031	-10.7
Durables excluding capital goods	128,730	128,318	127,282	+0.3	+0.8	+0.1	129,637	128,201	125,318	125,655	+3.2
Miscellaneous series :											
Producers' durable equipment	143,957	143,019	141,833	+0.7	+0.8	-0.5	144,862	142,180	138,281	142,138	+1.9
Household durable goods	13,726	13,551	13,453	+1.3	+0.7	-0.2	13,704	13,427	12,884	12,785	+7.2
Information technology industries	31,296	30,678	30,347	+2.0	+1.1	0.0	31,206	30,200	29,335	28,310	+10.2
Health care equipment and products	13,506	13,323	13,372	+1.4	-0.4	-0.9	13,392	13,088	13,061	13,468	-0.6

See footnotes at end of table 5.

See note at end of table 2 relating to survey variability.

Table 7. VALUE OF MANUFACTURERS' INVENTORIES, BY STAGE OF FABRICATION, BY INDUSTRY GROUP
(Millions of dollars)

Industry	Seasonally adjusted						Not seasonally adjusted				
	Monthly			Percent Change			Monthly				Percent change
	Feb. 1994[p]	Jan. 1994[r]	Dec. 1993	Jan.-Feb.	Dec.-Jan.	Nov.-Dec.	Feb. 1994[p]	Jan. 1994[r]	Dec. 1993	Feb. 1993	Feb. 94/93
MATERIALS AND SUPPLIES											
All manufacturing industries	120,326	119,591	120,300	+0.6	-0.6	-0.6	120,713	120,743	121,135	120,507	+0.2
Durable goods industries	68,800	68,157	68,434	+0.9	-0.4	-0.3	68,991	68,743	68,607	68,012	+1.4
Stone, clay, and glass products	2,541	2,551	2,513	-0.4	+1.5	-0.1	2,555	2,577	2,540	2,478	+3.1
Primary metals	5,856	5,837	5,964	+0.3	-2.1	+0.4	5,741	5,920	6,246	6,121	-6.2
Fabricated metal products	7,845	7,808	8,085	+0.5	-3.4	+3.0	7,841	7,886	8,260	7,891	-0.6
Industrial machinery and equipment	14,506	14,151	14,247	+2.5	-0.7	-1.7	14,688	14,354	14,051	14,286	+2.8
Electronic and other electrical equipment	11,057	10,855	10,513	+1.9	+3.3	-1.3	11,078	10,869	10,430	10,263	+7.9
Transportation equipment	10,986	11,019	11,208	-0.3	-1.7	-1.2	11,031	10,984	11,132	12,036	-8.3
Instruments and related products	6,716	6,711	6,783	+0.1	-1.1	+1.0	6,707	6,709	6,639	6,797	-1.3
Lumber, furniture and miscellaneous durable goods	9,293	9,225	9,121	+0.7	+1.1	-0.5	9,350	9,444	9,309	8,140	+14.9
Nondurable goods industries	51,526	51,434	51,866	+0.2	-0.8	-0.9	51,722	52,000	52,528	52,495	-1.5
Food and kindred products	9,916	10,014	10,064	-1.0	-0.5	+1.0	10,007	10,323	10,289	10,172	-1.6
Tobacco products	5,087	5,103	5,214	-0.3	-2.1	-2.5	5,366	5,485	5,545	5,523	-2.8
Textile mill products	2,665	2,660	2,671	+0.2	-0.4	-0.6	2,711	2,658	2,619	2,679	+1.2
Paper and allied products	6,612	6,584	6,712	+0.4	-1.9	-0.7	6,631	6,642	6,775	6,747	-1.7
Chemicals and allied products	11,235	11,228	11,285	+0.1	-0.5	-1.0	11,231	11,238	11,287	11,488	-2.2
Petroleum and coal products	3,003	2,894	2,878	+3.8	+0.6	-4.5	2,903	2,747	2,914	3,187	-8.9
Rubber and plastics products	4,535	4,473	4,392	+1.4	+1.8	-0.9	4,506	4,492	4,534	4,320	+4.3
Apparel, printing and publishing and leather goods	8,473	8,478	8,650	-0.1	-2.0	-1.2	8,367	8,415	8,565	8,379	-0.1
WORK IN PROCESS											
All manufacturing industries	128,397	129,119	128,705	-0.6	+0.3	-0.7	128,312	127,625	124,856	129,913	-1.2
Durable goods industries	105,079	105,770	105,358	-0.7	+0.4	-0.7	105,026	104,307	102,121	106,826	-1.7
Stone, clay, and glass products	1,065	1,055	1,026	+0.9	+2.8	-2.1	1,092	1,030	969	1,167	-6.4
Primary metals	7,342	7,317	7,273	+0.3	+0.6	-0.5	7,352	7,230	7,116	7,158	+2.7
Fabricated metal products	7,506	7,497	7,421	+0.1	+1.0	-1.1	7,571	7,512	7,162	7,673	-1.3
Industrial machinery and equipment	18,460	18,675	18,533	-1.2	+0.8	+0.5	18,174	18,234	17,835	17,191	+5.7
Electronic and other electrical equipment	14,316	14,206	13,990	+0.8	+1.5	-0.6	14,344	14,053	13,485	13,424	+6.9
Transportation equipment	42,309	43,015	42,928	-1.6	+0.2	-1.3	42,484	42,577	41,818	45,886	-7.4
Instruments and related products	9,144	9,191	9,372	-0.5	-1.9	-1.5	9,051	8,904	9,033	10,085	-10.3
Lumber, furniture and miscellaneous durable goods	4,937	4,814	4,815	+2.6	0.0	+1.6	4,958	4,767	4,703	4,242	+16.9
Nondurable goods industries	23,318	23,349	23,347	-0.1	0.0	-0.6	23,286	23,318	22,735	23,087	+0.9
Food and kindred products	3,974	4,053	4,080	-1.9	-0.7	+0.9	4,030	4,251	4,289	3,776	+6.7
Tobacco products	161	163	163	-1.2	0.0	-9.4	173	180	162	160	+8.1
Textile mill products	2,620	2,647	2,606	-1.0	+1.6	+1.6	2,629	2,621	2,493	2,417	+8.8
Paper and allied products	1,162	1,172	1,182	-0.9	-0.8	+0.3	1,171	1,171	1,169	1,251	-6.4
Chemicals and allied products	5,653	5,518	5,794	+2.4	-4.8	+0.9	5,674	5,501	5,633	5,732	-1.0
Petroleum and coal products	2,281	2,252	2,063	+1.3	+9.2	-9.8	2,201	2,154	1,941	2,674	-17.7
Rubber and plastics products	1,772	1,784	1,787	-0.7	-0.2	+1.1	1,792	1,827	1,777	1,690	+6.0
Apparel, printing and publishing and leather goods	5,695	5,760	5,672	-1.1	+1.6	-0.7	5,616	5,613	5,271	5,387	+4.3
FINISHED GOODS											
All manufacturing industries	131,250	130,198	128,420	+0.8	+1.4	-0.9	132,364	129,171	124,428	130,729	+1.3
Durable goods industries	64,781	64,245	62,511	+0.8	+2.8	-0.9	65,642	63,540	60,125	63,407	+3.5
Stone, clay, and glass products	3,903	3,950	3,954	-1.2	-0.1	0.0	4,062	3,964	3,842	4,323	-6.0
Primary metals	6,372	6,333	6,205	+0.6	+2.1	+3.0	6,437	6,309	6,070	6,091	+5.7
Fabricated metal products	7,808	7,743	7,560	+0.8	+2.4	-1.7	7,852	7,596	7,205	7,735	+1.5
Industrial machinery and equipment	13,947	13,803	13,378	+1.0	+3.2	+2.3	14,443	13,904	13,060	13,777	+4.8
Electronic and other electrical equipment	9,359	9,252	9,122	+1.2	+1.4	+0.3	9,237	8,912	8,646	8,044	+14.8
Transportation equipment	8,091	7,870	7,452	+2.8	+5.6	-10.8	8,230	7,814	7,103	8,805	-6.5
Instruments and related products	5,997	5,985	5,960	+0.2	+0.4	-2.0	5,935	5,780	5,739	6,072	-2.3
Lumber, furniture and miscellaneous durable goods	9,304	9,309	8,880	-0.1	+4.8	+0.7	9,446	9,261	8,460	8,560	+10.4
Nondurable goods industries	66,469	65,953	65,909	+0.8	+0.1	-0.8	66,722	65,631	64,303	67,322	-0.9
Food and kindred products	16,179	16,010	15,915	+1.1	+0.6	-0.1	16,151	16,026	15,873	16,047	+0.6
Tobacco products	669	762	988	-12.2	-22.9	-8.6	709	748	806	1,418	-50.0
Textile mill products	4,364	4,345	4,193	+0.4	+3.6	+1.0	4,427	4,315	3,872	4,124	+7.3
Paper and allied products	5,701	5,638	5,593	+1.1	+0.8	+0.2	5,819	5,631	5,422	5,643	+3.1
Chemicals and allied products	17,316	17,245	17,168	+0.4	+0.4	-1.2	17,760	17,450	17,171	18,144	-2.1
Petroleum and coal products	4,974	4,840	4,934	+2.8	-1.9	-3.3	4,819	4,711	4,775	5,386	-10.5
Rubber and plastics products	6,100	6,045	6,034	+0.9	+0.2	0.0	6,274	6,126	5,928	5,962	+5.2
Apparel, printing and publishing and leather goods	11,166	11,068	11,084	+0.9	-0.1	-1.2	10,763	10,624	10,456	10,598	+1.6

[p] Preliminary. [r] Revised.

See note at end of table 2 relating to survey variability.

Table 8. RATIOS OF MANUFACTURES' INVENTORIES TO SHIPMENTS AND UNFILLED ORDERS TO SHIPMENTS, BY INDUSTRY GROUP
(Based on seasonally adjusted data)

Industry	Inventory / Shipments ratio				Unfilled Orders / Shipments ratio[1]			
	Feb. 1994[p]	Jan. 1994[r]	Dec. 1993	Nov. 1993	Feb. 1994[p]	Jan. 1994[r]	Dec. 1993	Nov. 1993
All manufacturing industries	1.40	1.41	1.40	1.43	3.07	3.11	3.04	3.12
Durable goods industries	1.63	1.65	1.62	1.67	3.68	3.73	3.65	3.75
Stone, clay, and glass products	1.19	1.21	1.17	1.21	1.26	1.26	1.21	1.24
Primary metals	1.62	1.65	1.61	1.63	1.88	1.92	1.86	1.89
Fabricated metal products	1.58	1.54	1.56	1.58	1.44	1.43	1.48	1.51
Industrial machinery and equipment	1.78	1.86	1.76	1.79	2.21	2.29	2.14	2.18
Electronic and other electrical equipment	1.63	1.63	1.60	1.65	2.17	2.20	2.15	2.22
Transportation equipment	1.58	1.59	1.61	1.72	11.46	11.23	11.27	11.69
Instruments and related products	2.02	2.03	2.00	2.02	4.61	4.71	4.61	4.72
Nondurable goods industries	1.13	1.14	1.14	1.16	0.74	0.74	0.72	0.72
Food and kindred products	0.85	0.86	0.84	0.85	(X)	(X)	(X)	(X)
Tobacco products	1.79	1.78	2.42	2.86	(X)	(X)	(X)	(X)
Textile mill products	1.60	1.65	1.61	1.61	(NA)	(NA)	(NA)	(NA)
Paper and allied products	1.24	1.26	1.26	1.25	(NA)	(NA)	(NA)	(NA)
Chemicals and allied products	1.29	1.28	1.28	1.29	(X)	(X)	(X)	(X)
Petroleum and coal products	0.89	0.90	0.90	0.93	(X)	(X)	(X)	(X)
Rubber and plastics products	1.40	1.39	1.36	1.37	(X)	(X)	(X)	(X)

[p] Preliminary. [r] Revised. (X) Not applicable. (NA) Not available.

[1] Excludes the following industries with no unfilled orders : Wood and lumber products; glass containers; metal cans, barrels and drums; farm and garden machinery; motor vehicle assembly operations; other transportation equipment; foods and related products; tobacco; knitting mill products; apparel and related products; chemicals; petroleum and coal products; and rubber and plastics products.

Table 9. REVISIONS TO PREVIOUSLY PUBLISHED MONTHLY PERCENT CHANGES
(Based on seasonally adjusted data)

Industry	Shipments			New orders			Unfilled orders			Inventories		
	Feb.[1] 1994	Feb.[2] 1989-1993	Feb. 1993-Jan. 1994	Feb.[1] 1994	Feb.[2] 1989-1993	Feb. 1993-Jan. 1994	Feb.[1] 1994	Feb.[2] 1989-1993	Feb. 1993-Jan. 1994	Feb.[1] 1994	Feb.[2] 1989-1993	Feb. 1993-Jan. 1994
All manufacturing industries	(X)	0.1	0.2	(X)	0.2	0.2	(X)	0.0	0.1	(X)	0.0	0.1
Durable goods industries	0.0	0.1	0.3	-0.1	0.2	0.3	0.0	0.1	0.1	(X)	0.0	0.1
Stone, clay, and glass products	(X)	0.1	0.4	(X)	0.7	1.1	(X)	0.6	0.7	(X)	0.2	0.1
Primary metals	0.0	0.2	0.3	0.8	0.4	0.8	0.6	0.2	0.3	(X)	0.0	0.1
Fabricated metal products	(X)	0.4	0.3	(X)	0.6	0.3	(X)	0.2	0.3	(X)	0.2	0.4
Industrial machinery and equipment	-0.5	0.2	0.5	-0.6	0.2	0.5	-0.1	0.1	0.1	(X)	0.0	0.1
Electronic and other electrical equipment	0.3	0.2	0.3	0.2	0.4	0.5	-0.1	0.1	0.2	(X)	0.1	0.0
Transportation equipment	0.3	0.3	0.5	0.6	0.4	0.8	0.1	0.0	0.1	(X)	0.1	0.1
Instruments and related products	(X)	0.1	0.2	(X)	0.7	1.8	(X)	0.2	0.4	(X)	0.2	0.2
Nondurable goods industries	(X)	0.2	0.2	(X)	0.2	0.1	(X)	0.2	0.3	(X)	0.0	0.1
Food and kindred products	(X)	0.1	0.2	(X)	(X)	(X)	(X)	(X)	(X)	(X)	0.1	0.1
Tobacco products	(X)	0.4	0.2	(X)	(X)	(X)	(X)	(X)	(X)	(X)	0.1	0.1
Textile mill products	(X)	0.3	0.3	(X)	(NA)	(NA)	(X)	(NA)	(NA)	(X)	0.2	0.2
Paper and allied products	(X)	0.3	0.3	(X)	(NA)	(NA)	(X)	(NA)	(NA)	(X)	0.3	0.1
Chemicals and allied products	(X)	0.2	0.2	(X)	(X)	(X)	(X)	(X)	(X)	(X)	0.2	0.1
Petroleum and coal products	(X)	0.6	0.4	(X)	(X)	(X)	(X)	(X)	(X)	(X)	0.4	0.3
Rubber and plastics products	(X)	0.2	0.3	(X)	(X)	(X)	(X)	(X)	(X)	(X)	0.2	0.2
Capital goods industries :												
Nondefense	0.0	0.1	0.5	-0.3	0.4	0.8	-0.1	0.0	0.1	(X)	0.1	0.1
Defense	-0.1	0.3	0.4	2.5	1.2	4.8	0.2	0.0	0.3	(X)	0.0	0.1

(X) Not applicable. (NA) Not available.

Note : The five year and the twelve month revisions are the differences between the month-to-month percent changes of the preliminary and final estimates. The monthly averages are the simple averages of the absolute values of the differences for the months specified. The advance to final percent change revisions for the durable goods industries are shown in the advance report for the month.

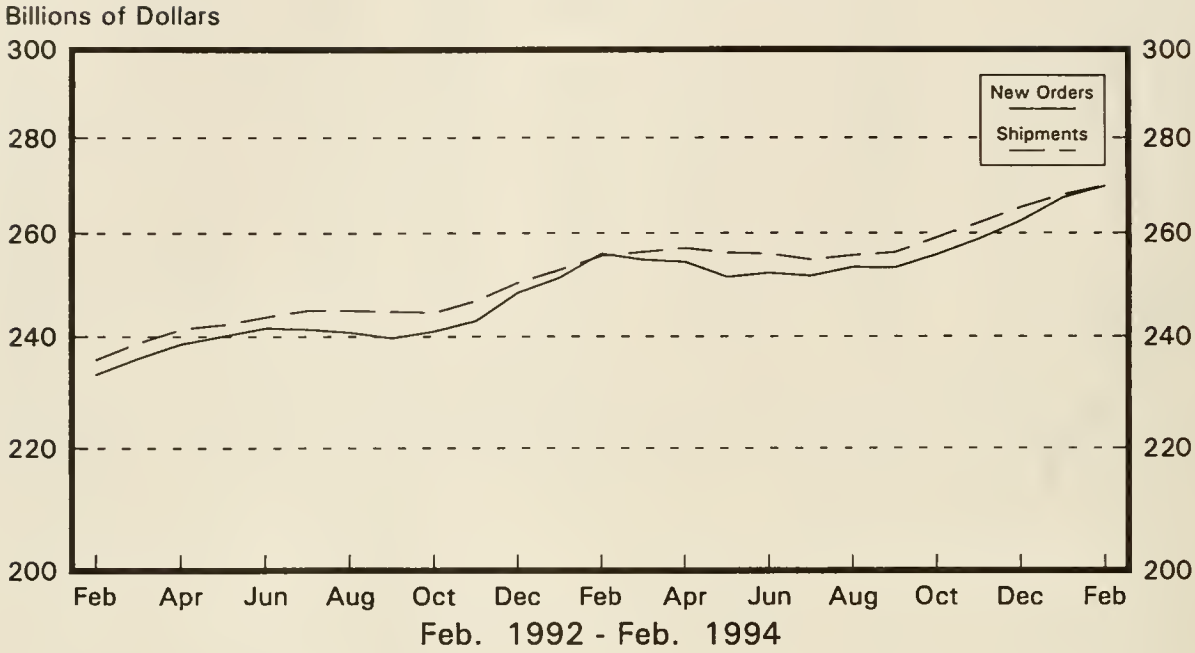
[1] The current month revisions are the difference between the advance percent change and the percent change as shown in this publication.

[2] Average for this month for the last five years.

See note at end of table 2 relating to survey variability.

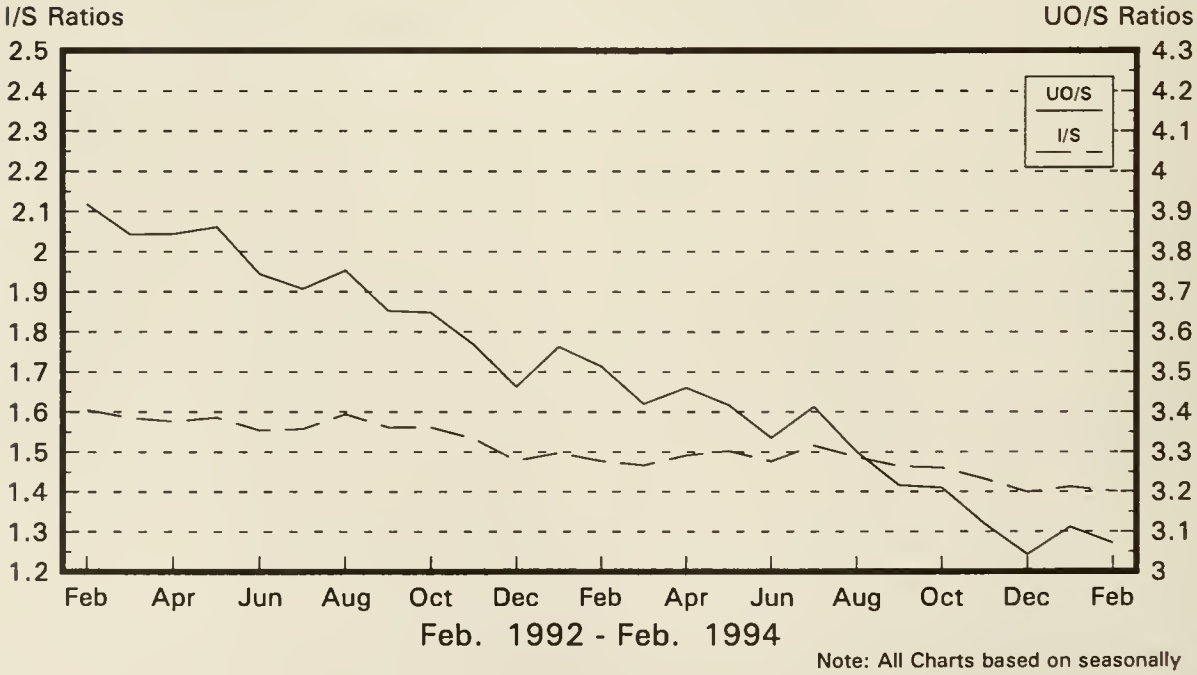
Total Manufacturing

New Orders and Shipments
Three Month Moving Averages



Total Manufacturing

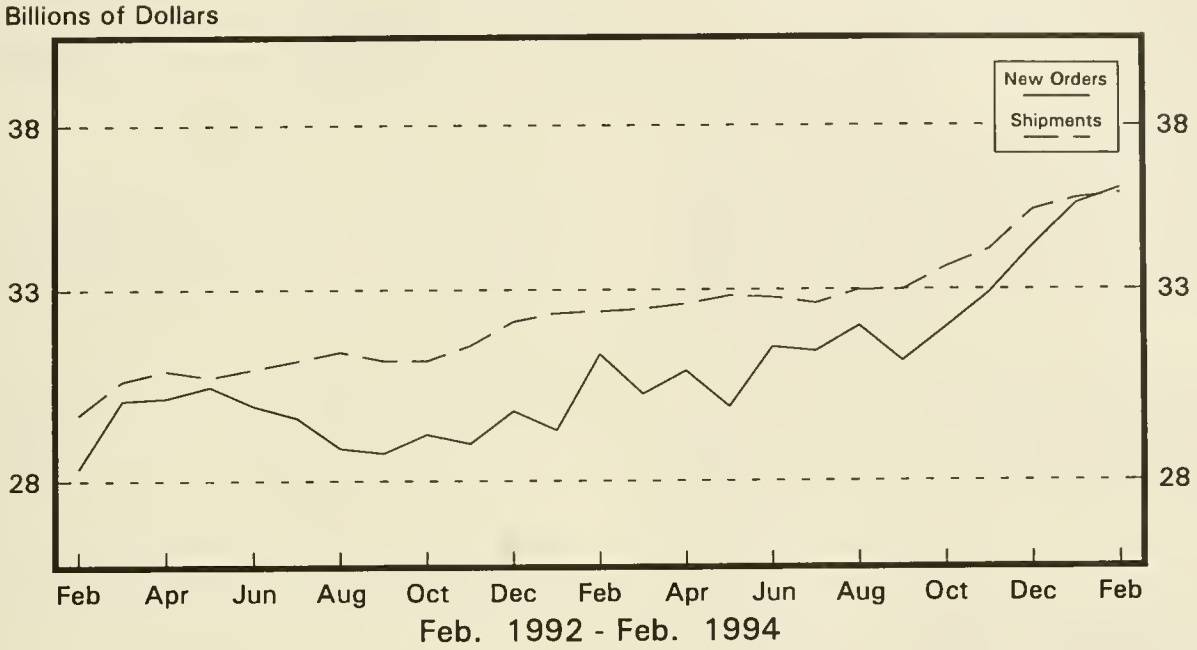
Ratio of Unfilled Orders and
Inventories to Shipments



Note: All Charts based on seasonally adjusted current dollars.

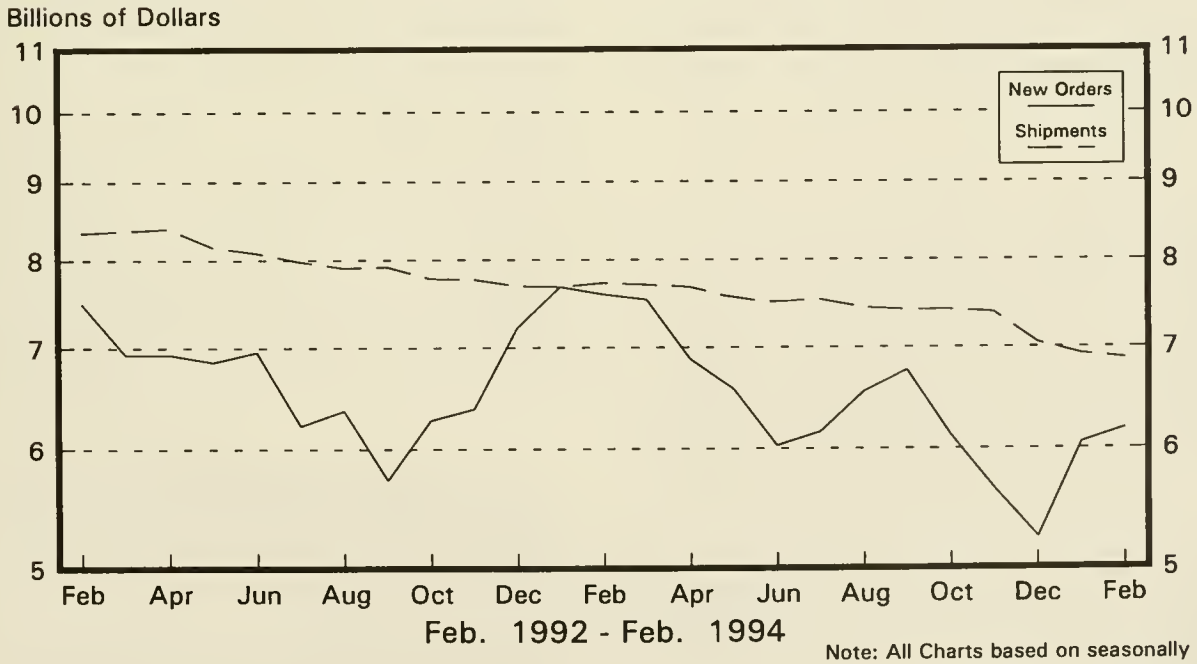
Nondefense Capital Goods

New Orders and Shipments
Three Month Moving Averages



Defense Capital Goods

New Orders and Shipments
Three Month Moving Averages



Note: All Charts based on seasonally adjusted current dollars.

U.S. Department of Commerce
BUREAU OF THE CENSUS
Washington, D.C. 20233

Official Business

Penalty for Private Use, $300

U.S.MAIL

POSTAGE AND FEES PAI
U S DEPARTMENT OF COMMERC

COM-20

First Class Mail

3. 158: M 3-1(94)-03

Manufacturers' Shipments, Inventories, and Orders

JUL 20 1994

U. S. Department of Commerce
Economics and Statistics Administration
BUREAU OF THE CENSUS

March 1994
M3-1-(94)-03
For Wire Transmissions 10:00 a.m. E.D.T. May 4, 1994

Steve Andrews or Kathy Menth
(301)763-2502 or (301)763-2575

Note: All figures in text are in seasonally adjusted current dollars

Summary

New orders for manufactured goods in March increased $2.9 billion or 1.1 percent to $274.7 billion, the Department of Commerce, Bureau of the Census reported today. This is the seventh increase in the last eight months and follows a 0.3 percent February decrease. Year-to-date new orders for 1994 are 7.2 percent above the same period a year ago.

Shipments increased $2.5 billion or 0.9 percent to $274.3 billion, following a 1.3 percent increase in February. This is the seventh increase in the last eight months. Year-to-date shipments for 1994 are 6.0 percent above the same period a year ago.

Unfilled orders increased $0.4 billion or 0.1 percent to $446.6 billion, the second increase in the last three months. The unfilled orders-to-shipments ratio decreased from 3.07 in February to 3.04 in March.

Inventories decreased $0.2 billion or 0.1 percent to $379.8 billion, following a 0.3 percent increase in February. The inventories-to-shipments ratio decreased from 1.40 in February to 1.38 in March, the lowest on record.

New Orders

New orders for manufactured durable goods in March increased $1.1 billion or 0.8 percent to $147.0 billion. This is the seventh increase in the last eight months and follows a 1.8 percent decrease in February. Primary metals had the largest increase, up $0.7 billion or 5.6 percent to $13.2 billion, the seventh increase in the last eight months. Fabricated metal products increased $0.6 billion or 4.0 percent to $15.5 billion, the fifth consecutive monthly increase. Industrial machinery and equipment increased $0.4 billion or 1.6 percent to $27.6 billion, the eighth increase in the last nine months. Electronic and other electrical equipment increased $0.4 billion or 1.7 percent to $21.3 billion, due to electronic components. Instruments and related products had the largest decrease, down $1.0 billion or 8.7 percent to $10.0 billion, due to search and navigation equipment. Transportation equipment decreased $0.5 billion or 1.4 percent to $37.0 billion, as decreases in aircraft and parts and motor vehicles and parts more than offset an increase in railroad equipment.

New orders for nondurable goods increased $1.8 billion or 1.4 percent to $127.7 billion, with increases in all major groups except tobacco products. This follows a revised 1.5 percent increase in February and is the fifth consecutive monthly increase.

Shipments

Shipments of durable goods in March increased $1.0 billion or 0.7 percent to $147.3 billion, the seventh increase in the last eight months. All major groups except lumber and wood products and instruments and related products increased. Stone, clay, and glass products had the largest increase, up $0.3 billion or 5.2 percent to $6.7 billion, the fourth increase in the last five months. Transportation equipment increased $0.3 billion or 0.7 percent to $39.0 billion, the seventh increase in the last eight months, as an increase in aircraft and parts more than offset a decline in motor vehicles and parts.

Shipments of nondurable goods increased $1.5 billion or 1.2 percent to $127.1 billion, the fifth consecutive monthly increase. The largest increase was in chemical and allied products, up $1.1 billion or 4.2 percent to $27.8 billion. Tobacco products had the only decline, down $1.0 billion or 31.4 percent to $2.2 billion.

Unfilled Orders

Unfilled orders for durable goods in March decreased $0.2 billion or 0.1 percent to $423.5 billion, the twelfth decline in the last thirteen months. Transportation equipment declined $2.1 billion or 1.0 percent to $212.3 billion, as a decline in aircraft and parts more than offset an increase in railroad equipment. This is the twenty-second decrease in the last twenty-three months. Instruments and related products decreased $0.8 billion or 1.5 percent to $49.9 billion, due to search and navigation equipment. Industrial machinery and equipment, up for the ninth consecutive month, had the largest increase, up $1.2 billion or 2.1 percent to $55.9 billion, with increases in nearly all categories. Primary metals, up for the fourth consecutive month, increased $1.1 billion or 4.6 percent to $24.1 billion. Unfilled orders for nondurable goods increased $0.6 billion or 2.9 percent to $23.1 billion, the fifth increase in a row.

Inventories

Inventories for durable goods in March decreased $0.5 billion or 0.2 percent to $238.3 billion, following a 0.3 percent increase in February. Industrial machinery and equipment had the largest increase, up $0.5 billion or 1.1 percent to $47.5 billion, the twelfth consecutive monthly increase. Due to aircraft and parts, transportation equipment had the largest decrease, down $0.9 billion or 1.5 percent to $60.4 billion, the lowest level since August 1988. Nondurable goods inventories, up for the second consecutive month, increased $0.3 billion or 0.2 percent to $141.5 billion, as increases in food and tobacco products more than offset a decline in chemicals and allied products.

By stage of fabrication, finished goods decreased 0.4 percent in durables and was unchanged in nondurables. Work in process decreased 0.1 percent in durables and increased 0.5 percent in nondurables. Materials and supplies decreased 0.2 percent in durables and increased 0.4 percent in nondurables.

The advance report on durable goods for April is scheduled for May 25, 1994 at 8:30 a.m. and the full report on June 2, 1994 at 10:00 a.m. For sale by the Superintendent of Documents, U.S. Government Printing Office, Washington, DC 20402. This report is also available the day of issue through the Department of Commerce's online Economic Bulletin Board (N-8-1) (202-482-3870) and through the Census Bureau's online information service—CENDATA. CENDATA is available from Dialog Information Services, Inc. (1-800-334-2564) and CompuServe (1-800-848-8199). The CENDATA staff at the Bureau of the Census (301-763-2074) can provide content information and general guidance.

Table 1. VALUE OF MANUFACTURERS' SHIPMENTS FOR INDUSTRY GROUPS
(Millions of dollars)

Industry	Seasonally adjusted						Not seasonally adjusted[1]						
	Monthly			Percent Change			Monthly				Percent change	Year to date	
	Mar. 1994[p]	Feb. 1994[r]	Jan. 1994	Feb.-Mar.	Jan.-Feb.	Dec.-Jan.	Mar. 1994[p]	Feb. 1994[r]	Jan. 1994	Mar. 1993	Mar. 94/93	1994[p]	1993
All manufacturing industries	274,324	271,815	268,330	+0.9	+1.3	-0.5	287,921	268,436	241,178	269,793	+6.7	797,535	748,873
Manufacturing Industries													
with unfilled orders	146,891	145,302	143,444	+1.1	+1.3	-1.2	156,266	142,954	127,352	145,175	+7.6	426,572	396,127
without defense capital goods	267,247	264,879	261,095	+0.9	+1.4	-0.8	280,519	261,852	235,369	261,729	+7.2	777,740	727,457
Durable goods industries	147,253	146,260	144,709	+0.7	+1.1	-1.0	157,998	145,679	127,662	144,499	+9.3	431,339	391,313
With unfilled orders	116,299	114,979	113,705	+1.1	+1.1	-1.4	125,185	112,877	99,801	115,538	+8.3	337,863	309,927
Stone, clay, and glass products	6,660	6,329	6,254	+5.2	+1.2	-2.3	6,567	5,789	5,276	5,414	+21.3	17,632	15,264
Primary metals	12,149	12,140	11,802	+0.1	+2.9	-2.0	12,689	12,367	11,199	12,053	+5.3	36,255	34,562
Blast furnaces, steel mills	5,491	5,616	5,339	-2.2	+5.2	-2.2	5,777	5,737	5,180	5,495	+5.1	16,694	15,592
Iron and steel foundries	1,188	1,165	1,153	+2.0	+1.0	+0.6	1,240	1,192	1,056	1,092	+13.6	3,488	3,118
Nonferrous and other primary metals	5,470	5,359	5,310	+2.1	+0.9	-2.4	5,672	5,438	4,963	5,466	+3.8	16,073	15,852
Fabricated metal products	15,014	14,864	14,975	+1.0	-0.7	+1.5	15,819	14,769	13,455	14,841	+6.6	44,043	40,927
Industrial machinery and equipment	26,385	26,362	25,098	+0.1	+5.0	-4.5	30,627	25,601	21,393	27,204	+12.6	77,621	68,451
Engines and turbines	1,744	1,736	1,566	+0.5	+10.9	-15.8	2,025	1,579	1,325	1,725	+17.4	4,929	4,270
Farm and garden machinery	1,858	1,673	1,522	+11.1	+9.9	+2.1	2,419	1,971	1,403	1,786	+35.4	5,793	4,758
Construction, mining and material handling equipment	2,626	2,659	2,629	-1.2	+1.1	+1.0	2,878	2,759	2,327	2,722	+5.7	7,964	7,355
Metalworking machinery	2,714	2,681	2,670	+1.2	+0.4	-0.3	2,999	2,597	2,206	2,829	+6.0	7,802	7,503
Computer and office equipment	7,294	7,112	6,870	+2.6	+3.5	-2.9	8,986	6,234	5,233	7,808	+15.1	20,453	17,447
Electronic and other electrical equipment	21,410	21,288	21,083	+0.6	+1.0	+0.2	22,691	21,000	18,540	19,793	+14.6	62,231	53,352
Electrical transmission and distribution equipment and industrial apparatus	2,569	2,590	2,536	-0.8	+2.1	+2.3	2,798	2,671	2,221	2,546	+9.9	7,690	7,011
Household appliances	1,830	1,810	1,686	+1.1	+7.4	+1.8	1,991	1,747	1,427	1,753	+13.6	5,165	4,600
Electric lighting and wiring equipment	1,725	1,737	1,733	-0.7	+0.2	+5.5	1,846	1,787	1,523	1,837	+0.5	5,156	4,966
Household audio and video equipment	946	991	988	-4.5	+0.3	+4.2	906	905	810	891	+1.7	2,621	2,463
Communications equipment	4,648	4,506	4,403	+3.2	+2.3	-8.3	5,071	4,265	3,629	4,006	+26.6	12,965	10,290
Electronic components	7,651	7,335	7,420	+4.3	-1.1	+0.4	7,995	7,435	6,910	6,674	+19.8	22,340	18,678
Transportation equipment	39,032	38,768	39,053	+0.7	-0.7	+1.9	41,891	40,241	34,315	38,785	+8.0	116,447	105,680
Motor vehicles and parts	26,942	27,620	27,398	-2.5	+0.8	+2.9	28,778	29,516	25,047	25,347	+13.5	83,341	70,901
Aircraft, missiles, space vehicles, and parts	9,572	8,469	9,208	+13.0	-8.0	+1.4	10,389	8,040	7,169	10,764	-3.5	25,598	27,569
Shipbuilding and tanks	896	1,034	951	-13.3	+8.7	+1.0	942	1,028	741	1,039	-9.3	2,711	2,853
Instruments and related products	10,789	10,866	10,756	-0.7	+1.0	-2.6	11,427	10,392	9,547	11,291	+1.2	31,366	30,834
Search and navigation equipment	2,355	2,577	2,568	-8.6	+0.4	+4.8	2,504	2,438	2,111	2,978	-15.9	7,053	7,873
Measuring and controlling devices	3,197	3,080	3,041	+3.8	+1.3	-5.1	3,498	2,999	2,863	3,078	+13.6	9,360	8,504
Medical instruments and supplies	2,961	2,939	2,891	+0.7	+1.7	-9.3	3,139	2,880	2,688	3,110	+0.9	8,707	8,615
Photographic goods	1,923	1,928	1,904	-0.3	+1.3	+3.0	1,910	1,739	1,578	1,798	+6.2	5,227	4,877
All other durable goods	15,814	15,643	15,688	+1.1	-0.3	-3.6	16,287	15,520	13,937	15,118	+7.7	45,744	42,243
Nondurable goods industries	127,071	125,555	123,621	+1.2	+1.6	+0.1	129,923	122,757	113,516	125,294	+3.7	366,196	357,560
With unfilled orders	30,592	30,323	29,739	+0.9	+2.0	-0.7	31,081	30,077	27,551	29,637	+4.9	88,709	86,200
Food and kindred products	35,963	35,674	35,073	+0.8	+1.7	-1.7	36,808	34,854	31,985	34,686	+6.1	103,647	98,567
Meat products	8,027	8,152	8,132	-1.5	+0.2	+1.6	7,979	7,905	7,561	7,803	+2.3	23,445	22,612
Dairy products	4,753	4,716	4,585	+0.8	+2.9	+0.1	4,820	4,541	4,200	4,483	+7.5	13,561	12,728
Beverages	5,209	5,146	4,940	+1.2	+4.2	-2.5	5,167	4,658	4,243	4,714	+9.6	14,068	13,205
All other foods, except fats and oils	16,078	15,780	15,579	+1.9	+1.3	-3.9	16,946	15,870	14,144	15,966	+6.1	46,960	44,889
Tobacco products	2,206	3,216	3,387	-31.4	-5.0	+28.7	2,705	2,675	2,584	3,659	-26.1	7,964	7,787
Textile mill products	6,107	6,026	5,845	+1.3	+3.1	-0.8	6,342	5,859	5,044	5,890	+7.7	17,245	16,861
Broadwoven fabrics and other textiles	3,806	3,738	3,595	+1.8	+4.0	-2.8	4,019	3,690	3,162	3,743	+7.4	10,871	10,767
Paper and allied products	10,876	10,876	10,621	0.0	+2.4	-1.1	11,094	10,888	10,228	11,007	+0.8	32,210	32,320
Pulp, paper, and paperboard mill products	4,295	4,287	4,241	+0.2	+1.1	-0.9	4,364	4,305	4,087	4,386	-0.5	12,756	13,029
Paperboard containers and boxes	2,773	2,752	2,668	+0.8	+3.1	0.0	2,815	2,718	2,554	2,711	+3.8	8,087	7,864
Miscellaneous converted paper products	3,808	3,837	3,712	-0.8	+3.4	-2.0	3,915	3,865	3,587	3,910	+0.1	11,367	11,427
Chemicals and allied products	27,782	26,650	26,555	+4.2	+0.4	-0.5	29,420	26,435	25,316	27,591	+6.6	81,171	78,206
Industrial chemicals	14,179	13,804	13,667	+2.7	+1.0	+2.0	14,789	13,989	12,948	14,020	+5.5	41,726	40,429
Drugs, soaps, and toiletries	10,235	9,764	9,873	+4.8	-1.1	-4.0	10,675	9,493	9,685	10,154	+5.1	29,853	28,931
Petroleum and coal products	11,622	11,597	11,056	+0.2	+4.9	+1.3	10,586	10,388	9,919	12,125	-12.7	30,893	35,871
Rubber and plastics products	9,315	8,981	8,873	+3.7	+1.2	-1.3	9,757	9,055	8,265	9,021	+8.2	27,077	25,941
All other nondurable goods	23,200	22,535	22,211	+3.0	+1.5	+0.9	23,211	22,603	20,175	21,315	+8.9	65,989	62,007

[p] Preliminary. [r] Revised.

[1] Shipments and new orders are the totals for the period and are adjusted for trading-day and calendar-month variations.

See note at end of table 2 relating to survey variability.

Table 2. VALUE OF MANUFACTURERS' NEW ORDERS FOR INDUSTRY GROUPS
(Millions of dollars)

Industry	Seasonally adjusted						Not seasonally adjusted[1]						
	Monthly			Percent Change			Monthly				Percent change	Year to date	
	Mar. 1994[p]	Feb. 1994[r]	Jan. 1994	Feb.-Mar.	Jan.-Feb.	Dec.-Jan.	Mar. 1994[p]	Feb. 1994[r]	Jan. 1994	Mar. 1993	Mar. 94/93	1994[p]	1993
All manufacturing industries	274,731	271,786	272,616	+1.1	-0.3	+2.4	289,933	270,065	249,955	264,583	+9.6	809,953	750,028
Manufacturing industries with unfilled orders	147,298	145,273	147,730	+1.4	-1.7	+4.1	158,278	144,583	136,129	139,965	+13.1	438,990	397,282
without defense capital goods	269,627	265,650	264,878	+1.5	+0.3	+1.4	283,861	264,714	242,962	256,275	+10.8	791,537	728,733
Durable goods industries	147,010	145,882	148,549	+0.8	-1.8	+4.3	158,538	146,688	135,776	139,127	+14.0	441,002	391,412
With unfilled orders	116,056	114,601	117,545	+1.3	-2.5	+5.4	125,725	113,886	107,915	110,166	+14.1	347,526	310,026
Stone, clay, and glass products	6,581	6,376	6,365	+3.2	+0.2	-1.2	6,518	6,170	5,357	5,587	+16.7	18,045	16,049
Primary metals	13,208	12,512	12,051	+5.6	+3.8	-0.1	14,539	13,148	12,436	12,779	+13.8	40,123	38,346
Blast furnaces, steel mills	5,744	5,724	5,367	+0.3	+6.7	+1.0	6,257	6,270	5,784	5,913	+5.8	18,311	18,457
Iron and steel foundries	1,348	1,265	1,193	+6.6	+6.0	+4.3	1,435	1,178	1,247	1,033	+38.9	3,860	3,155
Nonferrous and other primary metals	6,116	5,523	5,491	+10.7	+0.6	-2.2	6,847	5,700	5,405	5,833	+17.4	17,952	16,734
Fabricated metal products	15,492	14,897	14,706	+4.0	+1.3	+0.6	16,467	14,692	13,479	14,559	+13.1	44,638	40,950
Industrial machinery and equipment	27,553	27,116	25,872	+1.6	+4.8	-3.5	31,299	26,603	23,094	26,260	+19.2	80,996	69,114
Engines and turbines	1,682	1,842	1,612	-8.7	+14.3	-4.8	1,731	1,512	1,318	1,767	-2.0	4,561	4,059
Construction, mining and material handling equipment	2,782	2,841	2,614	-2.1	+8.7	+0.3	3,071	3,000	2,462	2,717	+13.0	8,533	7,659
Metalworking machinery	3,133	2,886	3,194	+8.6	-9.6	+4.1	3,418	2,802	2,730	2,676	+27.7	8,950	7,178
Computer and office equipment	7,560	6,983	6,859	+8.3	+1.8	-2.1	9,300	6,159	5,325	7,381	+26.0	20,784	17,518
Electronic and other electrical equipment	21,331	20,965	22,300	+1.7	-6.0	+7.7	21,857	21,507	20,539	18,399	+18.8	63,903	53,905
Electrical transmission and distribution equipment and industrial apparatus	2,569	2,698	2,707	-4.8	-0.3	+11.9	2,772	2,804	2,438	2,511	+10.4	8,014	7,270
Electric lighting and wiring equipment	1,730	1,746	1,782	-0.9	-2.0	+10.8	1,851	1,796	1,572	1,763	+5.0	5,219	5,021
Communications equipment	4,733	4,751	4,218	-0.4	+12.6	-11.7	5,093	4,527	3,454	3,649	+39.6	13,074	9,639
Electronic components	7,667	6,828	8,481	+12.3	-19.5	+19.8	7,515	7,489	8,385	5,929	+26.7	23,389	19,167
Transportation equipment	36,962	37,496	41,292	-1.4	-9.2	+15.6	40,706	38,480	37,425	35,577	+14.4	116,611	99,156
Aircraft, missiles, space vehicles, and parts	6,644	7,546	11,616	-12.0	-35.0	+111.6	8,321	6,564	10,309	7,947	+4.7	25,194	20,519
Shipbuilding and tanks	537	538	723	-0.2	-25.6	+68.9	610	546	508	737	-17.2	1,664	3,073
Instruments and related products	10,009	10,968	10,463	-8.7	+4.8	+6.4	10,560	10,563	9,206	10,711	-1.4	30,329	30,754
Search and navigation equipment	1,549	2,830	1,964	-45.3	+44.1	+19.7	1,544	2,794	1,446	2,695	-42.7	5,784	7,806
Measuring and controlling devices	3,286	3,128	3,147	+5.1	-0.6	-0.2	3,587	3,047	2,969	2,999	+19.6	9,603	8,568
Medical instruments and supplies	2,823	2,762	3,060	+2.2	-9.7	+6.6	3,001	2,703	2,857	2,946	+1.9	8,561	8,488
All other durable goods	15,874	15,552	15,500	+2.1	+0.3	-4.7	16,592	15,525	14,240	15,255	+8.8	46,357	43,138
Nondurable goods industries	127,721	125,904	124,067	+1.4	+1.5	+0.2	131,395	123,377	114,179	125,456	+4.7	368,951	358,616
With unfilled orders	31,242	30,672	30,185	+1.9	+1.6	-0.3	32,553	30,697	28,214	29,799	+9.2	91,464	87,256

[p] Preliminary. [r] Revised.

[1] Shipments and new orders are the totals for the period and are adjusted for trading-day and calendar-month variations.

(n) When new orders for a prior month are negative because of cancellations, the percentage change calculation is algebraically negative, even though there is a net dollar increase from the prior month to the current month.

Note : Estimates of manufacturers' shipments, inventories and orders are subject to survey variability and revision. Since the survey panel is not a probability sample, estimates of sampling variability cannot be calculated. Further details on survey design, methodology, and data limitation are contained in our most recent annual benchmark publication, Current Industrial Reports: M3-1(92), "Manufacturers' Shipments, Inventories, and Orders: 1982-1992."

Table 3. VALUE OF MANUFACTURERS' UNFILLED ORDERS FOR INDUSTRY GROUPS
(Millions of dollars)

Industry	Seasonally adjusted						Not seasonally adjusted				
	Monthly			Percent Change			Monthly				Percent change
	Mar. 1994[p]	Feb. 1994[r]	Jan. 1994	Feb.-Mar.	Jan.-Feb.	Dec.-Jan.	Mar. 1994[p]	Feb. 1994[r]	Jan. 1994	Mar. 1993	Mar. 94/93
All manufacturing industries	446,611	446,204	446,233	+0.1	0.0	+1.0	450,776	448,764	447,135	473,341	-4.8
Manufacturing industries without defense capital goods	332,447	330,067	329,296	+0.7	+0.2	+1.2	335,017	331,675	328,813	343,682	-2.5
Durable goods industries	423,507	423,750	424,128	-0.1	-0.1	+0.9	427,290	426,750	425,741	450,224	-5.1
Stone, clay, and glass products	7,315	7,394	7,347	-1.1	+0.6	+1.5	7,232	7,281	6,900	7,177	+0.8
Primary metals	24,101	23,042	22,670	+4.6	+1.6	+1.1	25,416	23,566	22,785	24,460	+3.9
Blast furnaces, steel mills	10,638	10,385	10,277	+2.4	+1.1	+0.3	11,329	10,849	10,316	11,287	+0.4
Iron and steel foundries	3,395	3,235	3,135	+4.9	+3.2	+1.3	3,415	3,220	3,234	2,867	+19.1
Nonferrous and other primary metals	10,068	9,422	9,258	+6.9	+1.8	+2.0	10,672	9,497	9,235	10,306	+3.6
Fabricated metal products	20,347	19,869	19,836	+2.4	+0.2	-1.3	20,641	19,993	20,070	22,784	-9.4
Industrial machinery and equipment	55,862	54,694	53,940	+2.1	+1.4	+1.5	56,353	55,681	54,679	50,782	+11.0
Engines and turbines	9,931	9,993	9,887	-0.6	+1.1	+0.5	9,771	10,065	10,132	9,845	-0.8
Construction, mining and material handling equipment	6,139	5,983	5,801	+2.6	+3.1	-0.3	6,360	6,167	5,926	5,903	+7.7
Metalworking machinery	8,483	8,064	7,859	+5.2	+2.6	+7.1	8,483	8,064	7,859	7,008	+21.0
Computer and office equipment	7,690	7,424	7,553	+3.6	-1.7	-0.1	7,582	7,268	7,343	7,192	+5.4
Electronic and other electrical equipment	45,999	46,078	46,401	-0.2	-0.7	+2.7	46,110	46,944	46,437	42,640	+8.1
Electrical transmission and distribution equipment and industrial apparatus	6,083	6,083	5,975	0.0	+1.8	+2.9	6,094	6,120	5,987	5,811	+4.9
Electric lighting and wiring equipment	3,300	3,295	3,286	+0.2	+0.3	+1.5	3,300	3,295	3,286	3,035	+8.7
Communications equipment	15,180	15,095	14,850	+0.6	+1.6	-1.2	15,141	15,119	14,857	12,771	+18.6
Electronic components	16,073	16,057	16,564	+0.1	-3.1	+6.8	16,153	16,633	16,579	16,171	-0.1
Transportation equipment	212,289	214,359	215,631	-1.0	-0.6	+1.0	213,640	214,825	216,586	239,322	-10.7
Aircraft, missiles, space vehicles, and parts	182,391	185,319	186,242	-1.6	-0.5	+1.3	183,621	185,689	187,165	210,126	-12.6
Shipbuilding and tanks	18,297	18,656	19,152	-1.9	-2.6	-1.2	18,249	18,581	19,063	21,434	-14.9
Instruments and related products	49,937	50,717	50,615	-1.5	+0.2	-0.6	50,357	51,224	51,053	55,507	-9.3
Search and navigation equipment	32,617	33,423	33,170	-2.4	+0.8	-1.8	33,021	33,981	33,625	37,088	-11.0
Measuring and controlling devices	9,075	8,986	8,938	+1.0	+0.5	+1.2	9,075	8,986	8,938	9,252	-1.9
Medical instruments and supplies	7,310	7,448	7,625	-1.9	-2.3	+2.3	7,310	7,448	7,625	8,296	-11.9
All other durable goods	7,657	7,597	7,688	+0.8	-1.2	-2.4	7,541	7,236	7,231	7,552	-0.1
Nondurable goods industries	23,104	22,454	22,105	+2.9	+1.6	+2.1	23,486	22,014	21,394	23,117	+1.6

[p] Preliminary. [r] Revised.

See note at end of table 2 relating to survey variability.

Table 4. VALUE OF MANUFACTURERS' INVENTORIES FOR INDUSTRY GROUPS
(Millions of dollars)

Industry	Seasonally adjusted						Not seasonally adjusted				
	Monthly			Percent Change			Monthly				Percent change
	Mar. 1994[p]	Feb. 1994[r]	Jan. 1994	Feb.-Mar.	Jan.-Feb.	Dec.-Jan.	Mar. 1994[p]	Feb. 1994[r]	Jan. 1994	Mar. 1993	Mar. 94/93
All manufacturing industries	379,839	380,068	378,908	-0.1	+0.3	+0.4	379,369	381,699	377,539	379,471	0.0
Manufacturing industries											
with unfilled orders	251,329	251,686	250,721	-0.1	+0.4	+0.6	250,585	251,942	248,226	250,300	+0.1
without defense capital goods	354,278	353,586	352,324	+0.2	+0.4	+0.4	353,898	355,522	351,773	350,722	+0.9
Durable goods industries	238,296	238,832	238,172	-0.2	+0.3	+0.8	238,098	239,966	236,590	236,973	+0.5
With unfilled orders	218,066	218,445	217,627	-0.2	+0.4	+0.8	217,311	218,748	215,512	217,149	+0.1
Stone, clay, and glass products	7,547	7,512	7,556	+0.5	-0.6	+0.8	7,700	7,706	7,571	7,929	-2.9
Primary metals	19,518	19,547	19,487	-0.1	+0.3	+0.2	19,379	19,538	19,459	19,166	+1.1
Blast furnaces, steel mills	9,493	9,554	9,550	-0.6	0.0	+0.7	9,303	9,586	9,700	9,365	-0.7
Iron and steel foundries	1,456	1,431	1,424	+1.7	+0.5	+0.7	1,498	1,453	1,426	1,431	+4.7
Nonferrous and other primary metals	8,569	8,562	8,513	+0.1	+0.6	-0.4	8,578	8,499	8,333	8,370	+2.5
Fabricated metal products	22,977	23,144	23,048	-0.7	+0.4	-0.1	23,193	23,304	22,994	23,545	-1.5
Industrial machinery and equipment	47,504	46,990	46,629	+1.1	+0.8	+1.0	47,040	47,303	46,492	44,163	+6.5
Engines and turbines	3,531	3,501	3,490	+0.9	+0.3	+1.4	3,430	3,416	3,305	3,407	+0.7
Farm and garden machinery	2,393	2,441	2,478	-2.0	-1.5	+0.2	2,508	2,659	2,667	2,452	+2.3
Construction, mining and material handling equipment	5,701	5,593	5,622	+1.9	-0.5	+0.5	5,792	5,669	5,653	6,035	-4.0
Metalworking machinery	5,254	5,293	5,266	-0.7	+0.5	+0.7	5,201	5,299	5,182	5,136	+1.3
Computer and office equipment	11,688	11,455	11,176	+2.0	+2.5	+1.6	11,150	11,341	11,004	9,209	+21.1
Electronic and other electrical equipment	34,917	34,710	34,313	+0.6	+1.2	+2.0	34,824	34,628	33,834	31,850	+9.3
Electrical transmission and distribution equipment and industrial apparatus	4,264	4,239	4,247	+0.6	-0.2	+2.1	4,257	4,216	4,161	4,369	-2.6
Household appliances	2,579	2,624	2,632	-1.7	-0.3	+1.2	2,690	2,716	2,597	2,644	+1.7
Electric lighting and wiring equipment	2,977	2,983	2,950	-0.2	+1.1	+1.2	2,974	2,937	2,850	2,865	+3.8
Household audio and video equipment	1,046	1,037	1,026	+0.9	+1.1	-1.1	1,002	996	979	1,022	-2.0
Communications equipment	9,917	9,780	9,344	+1.4	+4.7	+3.0	9,864	9,767	9,290	7,883	+25.1
Electronic components	10,919	10,853	10,929	+0.6	-0.7	+2.7	10,832	10,808	10,842	9,743	+11.2
Transportation equipment	60,401	61,346	61,904	-1.5	-0.9	+0.5	60,498	61,795	61,375	66,155	-8.6
Motor vehicles and parts	11,663	11,636	11,578	+0.2	+0.5	+0.6	11,639	11,883	11,719	11,385	+2.2
Aircraft, missiles, space vehicles, and parts	44,542	45,577	46,194	-2.3	-1.3	+0.4	44,616	45,657	45,474	50,385	-11.4
Shipbuilding and tanks	1,633	1,587	1,564	+2.9	+1.5	-0.5	1,618	1,585	1,551	1,808	-10.5
Instruments and related products	21,819	22,004	21,887	-0.8	+0.5	-1.0	21,674	21,885	21,393	22,859	-5.2
Search and navigation equipment	5,649	5,756	5,645	-1.9	+2.0	-2.9	5,564	5,723	5,456	6,146	-9.5
Measuring and controlling devices	6,482	6,470	6,450	+0.2	+0.3	-0.5	6,476	6,446	6,376	6,623	-2.2
Medical instruments and supplies	6,144	6,128	6,122	+0.3	+0.1	-0.5	6,089	6,095	6,022	6,281	-3.1
Photographic goods	2,746	2,845	2,860	-3.5	-0.5	+0.2	2,743	2,812	2,741	3,035	-9.6
All other durable goods	23,613	23,579	23,348	+0.1	+1.0	+2.3	23,790	23,807	23,472	21,306	+11.7
Nondurable goods industries	141,543	141,236	140,736	+0.2	+0.4	-0.3	141,271	141,733	140,949	142,498	-0.9
With unfilled orders	33,263	33,241	33,094	+0.1	+0.4	-0.3	33,274	33,194	32,714	33,151	+0.4
Food and kindred products	30,360	30,030	30,077	+1.1	-0.2	+0.1	29,838	30,112	30,600	29,282	+1.9
Meat products	3,252	3,264	3,257	-0.4	+0.2	+1.5	3,307	3,321	3,207	3,101	+6.6
Dairy products	2,686	2,704	2,714	-0.7	-0.4	-0.6	2,622	2,606	2,633	2,631	-0.3
Beverages	5,322	5,369	5,397	-0.9	-0.5	+0.9	5,306	5,353	5,394	5,261	+0.9
All other foods, except fats and oils	17,219	16,951	17,007	+1.6	-0.3	-0.5	16,651	17,021	17,516	16,789	-0.8
Tobacco products	6,135	5,912	6,028	+3.8	-1.9	-5.3	6,196	6,249	6,413	6,831	-9.3
Textile mill products	9,678	9,648	9,652	+0.3	0.0	+1.9	9,708	9,781	9,594	9,194	+5.6
Broadwoven fabrics and other textiles	5,381	5,403	5,394	-0.4	+0.2	+0.9	5,413	5,513	5,420	5,322	+1.7
Paper and allied products	13,450	13,463	13,394	-0.1	+0.5	-0.7	13,613	13,626	13,444	13,684	-0.5
Pulp, paper, and paperboard mill products	5,835	5,798	5,792	+0.6	+0.1	+0.2	5,905	5,877	5,849	5,682	+3.9
Paperboard containers and boxes	3,159	3,154	3,048	+0.2	+3.5	-1.7	3,203	3,201	3,087	3,303	-3.0
Miscellaneous converted paper products	4,456	4,511	4,554	-1.2	-0.9	-1.0	4,505	4,548	4,508	4,699	-4.1
Chemicals and allied products	34,028	34,218	33,991	-0.6	+0.7	-0.7	34,368	34,701	34,189	35,258	-2.5
Industrial chemicals	16,041	16,311	16,383	-1.7	-0.4	-1.5	16,153	16,570	16,623	17,308	-6.7
Drugs, soaps, and toiletries	13,583	13,515	13,259	+0.5	+1.9	-0.3	13,461	13,383	13,002	13,276	+1.4
Petroleum and coal products	10,122	10,181	9,986	-0.6	+2.0	+1.1	9,887	9,858	9,612	11,357	-12.9
Rubber and plastics products	12,426	12,406	12,302	+0.2	+0.8	+0.7	12,576	12,599	12,445	12,017	+4.7
All other nondurable goods	25,344	25,378	25,306	-0.1	+0.3	-0.4	25,085	24,807	24,652	24,875	+0.8

[p] Preliminary. [r] Revised.

See note at end of table 2 relating to survey variability.

Table 5. VALUE OF MANUFACTURERS' SHIPMENTS AND NEW ORDERS FOR TOPICAL SERIES[1]
(Millions of dollars)

Industry	Seasonally adjusted						Not seasonally adjusted [2]						
	Monthly			Percent Change			Monthly				Percent change	Year to date	
	Mar. 1994[p]	Feb. 1994[r]	Jan. 1994	Feb.-Mar.	Jan.-Feb.	Dec.-Jan.	Mar. 1994[p]	Feb. 1994[r]	Jan. 1994	Mar. 1993	Mar. 94/93	1994[p]	1993
SHIPMENTS													
All manufacturing industries	274,324	271,815	268,330	+0.9	+1.3	-0.5	287,921	268,436	241,178	269,793	+6.7	797,535	748,873
Market categories :													
Automotive equipment	13,659	13,984	13,832	-2.3	+1.1	+2.3	14,548	14,795	12,525	12,806	+13.6	41,868	35,914
Home goods and apparel	18,918	18,232	17,953	+3.8	+1.6	-0.1	19,497	18,254	15,581	17,721	+10.0	53,332	50,036
Consumer staples	57,996	58,280	57,684	-0.5	+1.0	-0.1	59,145	56,036	52,830	58,523	+1.1	168,011	165,103
Machinery and equipment	48,665	48,043	46,676	+1.3	+2.9	-4.2	53,854	47,085	40,000	48,288	+11.5	140,939	125,882
Business supplies	20,406	20,115	19,691	+1.4	+2.2	+0.9	20,862	19,779	18,146	19,858	+5.1	58,787	56,866
Construction materials and supplies	17,798	17,427	17,330	+2.1	+0.6	-1.9	18,090	16,584	14,963	16,626	+8.8	49,637	45,873
Defense products	7,394	7,327	7,579	+0.9	-3.3	+9.3	7,750	7,032	6,220	8,313	-6.8	21,002	22,172
Other materials, supplies and and intermediate products	89,488	88,407	87,585	+1.2	+0.9	-0.1	94,175	88,871	80,913	87,658	+7.4	263,959	247,027
Durable goods industries :													
Nondefense capital goods [3]	36,348	35,792	34,777	+1.6	+2.9	-5.9	41,273	34,243	28,889	37,644	+9.6	104,405	94,500
Excluding aircraft and parts	30,800	31,091	29,614	-0.9	+5.0	-5.4	35,032	29,775	24,937	31,191	+12.3	89,744	78,516
Defense capital goods [4]	7,077	6,936	7,235	+2.0	-4.1	+11.1	7,402	6,584	5,809	8,064	-8.2	19,795	21,416
Durables excluding capital goods	103,828	103,532	102,697	+0.3	+0.8	0.0	109,323	104,852	92,964	98,791	+10.7	307,139	275,397
Miscellaneous series :													
Producers' durable equipment	95,256	94,893	93,098	+0.4	+1.9	-1.6	104,102	95,049	82,026	93,793	+11.0	281,177	250,488
Household durable goods	7,888	7,694	7,644	+2.5	+0.7	-1.7	8,446	7,580	6,561	7,737	+9.2	22,587	21,159
Information technology industries	17,207	16,858	16,467	+2.1	+2.4	-4.0	19,651	15,506	13,520	16,992	+15.6	48,677	41,942
Health care equipment and products	8,517	8,241	8,250	+3.3	-0.1	-5.9	8,933	8,041	7,941	8,617	+3.7	24,915	24,306
NEW ORDERS													
All manufacturing industries	274,731	271,786	272,616	+1.1	-0.3	+2.4	289,933	270,065	249,955	264,583	+9.6	809,953	750,028
Market categories :													
Automotive equipment	13,679	13,986	13,851	-2.2	+1.0	+1.9	14,549	14,821	12,591	12,766	+14.0	41,961	35,979
Home goods and apparel	19,022	18,241	18,086	+4.3	+0.9	-0.3	19,808	18,662	16,620	17,894	+10.7	55,090	51,932
Consumer staples	58,014	58,275	57,667	-0.4	+1.1	-0.2	59,158	56,004	52,781	58,501	+1.1	167,943	165,058
Machinery and equipment	48,358	48,189	48,350	+0.4	-0.3	+4.1	53,415	47,586	42,502	43,806	+21.9	143,503	120,546
Business supplies	20,580	20,192	19,663	+1.9	+2.7	+0.8	21,183	19,885	18,092	19,775	+7.1	59,160	56,936
Construction materials and supplies	18,124	17,529	17,329	+3.4	+1.2	-1.0	18,614	16,842	15,044	16,577	+12.3	50,500	46,606
Defense products	5,624	6,689	8,537	-15.9	-21.6	+55.9	6,549	5,929	7,708	8,643	-24.2	20,186	21,875
Other materials, supplies and and intermediate products	91,330	88,685	89,133	+3.0	-0.5	+1.4	96,657	90,336	84,617	86,621	+11.6	271,610	251,096
Durable goods industries :													
Nondefense capital goods [3]	36,328	36,382	36,630	-0.1	-0.7	+4.5	40,796	35,117	31,650	32,662	+24.9	107,563	88,159
Excluding aircraft and parts	32,851	32,031	30,407	+2.6	+5.3	-7.5	36,626	30,999	26,638	30,167	+21.4	94,263	79,334
Defense capital goods [4]	5,104	6,136	7,738	-16.8	-20.7	+47.7	6,072	5,351	6,993	8,308	-26.9	18,416	21,295
Durables excluding capital goods	105,578	103,364	104,181	+2.1	-0.8	+2.0	111,670	106,220	97,133	98,157	+13.8	315,023	281,958
Miscellaneous series :													
Producers' durable equipment	95,586	95,046	95,242	+0.6	-0.2	+2.9	104,284	95,664	86,282	88,960	+17.2	286,230	247,697
Household durable goods	7,876	7,628	7,591	+3.3	+0.5	-3.6	8,463	7,698	7,227	7,666	+10.4	23,388	22,098
Information technology industries	17,546	16,951	16,380	+3.5	+3.5	-3.4	20,057	15,652	13,538	16,281	+23.2	49,247	41,590
Health care equipment and products	8,380	8,064	8,419	+3.9	-4.2	-0.4	8,797	7,863	8,108	8,454	+4.1	24,768	24,180

[p] Preliminary. [r] Revised.

[1] Topical series are regroupings of the separate industry categories.

[2] Shipments and new orders are the totals for the period and are adjusted for trading-day and calendar-month variations.

[3] Nondefense capital goods industries include : ordnance and accessories; steam, gas and hydraulic turbines; internal combustion engines; construction, mining, and mater handling equipment; metalworking machinery; special industry machinery; general industrial machinery; computer and office equipment; refrigeration, heating and servi industry machinery; electrical transmission and distribution equipment; electrical industrial apparatus; communications equipment; aircraft, missiles, space vehicles, and engir and parts; ships and tank components; railroad equipment; and search and navigation equipment.

[4] Defense capital goods industries include : ordnance and accessories; communications equipment; aircraft, missiles, space vehicles, and engines and parts; ships, tan and tank components; and search and navigation equipment.

See note at end of table 2 relating to survey variability.

Table 6. VALUE OF MANUFACTURERS' UNFILLED ORDERS AND TOTAL INVENTORIES FOR TOPICAL SERIES[1]
(Millions of dollars)

Industry	Seasonally adjusted						Not seasonally adjusted				
	Monthly			Percent Change			Monthly				Percent change
	Mar. 1994[p]	Feb. 1994[r]	Jan. 1994	Feb.-Mar.	Jan.-Feb.	Dec.-Jan.	Mar. 1994[p]	Feb. 1994[r]	Jan. 1994	Mar. 1993	Mar. 94/93
UNFILLED ORDERS											
All manufacturing industries	446,611	446,204	446,233	+0.1	0.0	+1.0	450,776	448,764	447,135	473,341	-4.8
Market categories :											
Automotive equipment	1,971	1,951	1,950	+1.0	+0.1	+1.0	1,995	1,994	1,968	1,650	+20.9
Home goods and apparel	10,329	10,225	10,216	+1.0	+0.1	+1.3	10,420	10,109	9,701	10,486	-0.6
Consumer staples	1,421	1,403	1,408	+1.3	-0.4	-1.3	1,408	1,395	1,427	1,394	+1.0
Machinery and equipment	182,246	182,553	182,406	-0.2	+0.1	+0.9	182,787	183,226	182,725	192,170	-4.9
Business supplies	5,650	5,476	5,399	+3.2	+1.4	-0.5	5,741	5,420	5,314	5,758	-0.3
Construction materials and supplies	14,607	14,282	14,179	+2.3	+0.7	0.0	14,739	14,214	13,956	15,059	-2.1
Defense products	108,476	110,246	110,885	-1.6	-0.6	+0.9	110,092	111,294	112,397	123,039	-10.5
Other materials, supplies and and intermediate products	121,911	120,068	119,790	+1.5	+0.2	+1.3	123,594	121,112	119,647	123,785	-0.2
Durable goods industries :											
Nondefense capital goods [3]	199,999	200,019	199,429	0.0	+0.3	+0.9	200,495	200,972	200,098	210,843	-4.9
Excluding aircraft and parts	79,681	77,630	76,690	+2.6	+1.2	+1.0	80,177	78,583	77,359	71,078	+12.8
Defense capital goods [4]	114,164	116,137	116,937	-1.7	-0.7	+0.4	115,759	117,089	118,322	129,659	-10.7
Durables excluding capital goods	109,344	107,594	107,762	+1.6	-0.2	+1.4	111,036	108,689	107,321	109,722	+1.2
Miscellaneous series :											
Producers' durable equipment	210,401	210,071	209,918	+0.2	+0.1	+1.0	211,196	211,014	210,399	215,583	-2.0
Household durable goods	5,607	5,619	5,685	-0.2	-1.2	-0.9	5,636	5,619	5,501	5,365	+5.1
Information technology industries	32,761	32,422	32,329	+1.0	+0.3	-0.3	32,656	32,250	32,104	30,764	+6.2
Health care equipment and products	7,339	7,477	7,654	-1.8	-2.3	+2.2	7,339	7,476	7,653	8,325	-11.8
TOTAL INVENTORIES											
All manufacturing industries	379,839	380,068	378,908	-0.1	+0.3	+0.4	379,369	381,699	377,539	379,471	0.0
Market categories :											
Automotive equipment	6,080	6,078	6,107	0.0	-0.5	+0.5	6,159	6,314	6,209	6,261	-1.6
Home goods and apparel	30,860	30,822	30,616	+0.1	+0.7	+0.7	30,725	30,604	30,255	29,300	+4.9
Consumer staples	57,792	57,392	57,248	+0.7	+0.3	-0.7	57,043	57,362	57,468	58,387	-2.3
Machinery and equipment	89,351	89,088	88,659	+0.3	+0.5	+1.0	89,068	89,778	88,055	87,846	+1.4
Business supplies	21,014	21,100	20,999	-0.4	+0.5	-0.2	21,027	21,064	20,650	21,466	-2.0
Construction materials and supplies	24,505	24,489	24,421	+0.1	+0.3	+2.1	24,849	24,764	24,339	23,473	+5.9
Defense products	24,513	25,187	25,276	-2.7	-0.4	-0.2	24,457	24,951	24,602	27,132	-9.9
Other materials, supplies and and intermediate products	125,724	125,912	125,582	-0.1	+0.3	+0.3	126,041	126,862	125,961	125,606	+0.3
Durable goods industries :											
Nondefense capital goods [3]	84,214	83,712	83,270	+0.6	+0.5	+1.1	83,637	84,092	82,623	82,253	+1.7
Excluding aircraft and parts	58,563	57,884	57,086	+1.2	+1.4	+1.3	57,880	57,876	56,456	53,382	+8.4
Defense capital goods [4]	25,561	26,482	26,584	-3.5	-0.4	-0.3	25,471	26,177	25,766	28,749	-11.4
Durables excluding capital goods	128,521	128,638	128,318	-0.1	+0.2	+0.8	128,990	129,697	128,201	125,971	+2.4
Miscellaneous series :											
Producers' durable equipment	144,331	144,044	143,019	+0.2	+0.7	+0.8	143,993	144,945	142,180	141,153	+2.0
Household durable goods	13,737	13,722	13,551	+0.1	+1.3	+0.7	13,684	13,708	13,427	12,964	+5.6
Information technology industries	31,639	31,380	30,678	+0.8	+2.3	+1.1	31,014	31,183	30,200	27,824	+11.5
Health care equipment and products	13,520	13,467	13,323	+0.4	+1.1	-0.4	13,401	13,365	13,088	13,487	-0.6

See footnotes at end of table 5.

See note at end of table 2 relating to survey variability.

Table 7. VALUE OF MANUFACTURERS' INVENTORIES, BY STAGE OF FABRICATION, BY INDUSTRY GROUP
(Millions of dollars)

Industry	Seasonally adjusted						Not seasonally adjusted				
	Monthly			Percent Change			Monthly				Percent change
	Mar. 1994[p]	Feb. 1994[r]	Jan. 1994	Feb.-Mar.	Jan.-Feb.	Dec.-Jan.	Mar. 1994[p]	Feb. 1994[r]	Jan. 1994	Mar. 1993	Mar. 94/93
MATERIALS AND SUPPLIES											
All manufacturing industries	120,402	120,288	119,591	+0.1	+0.6	-0.6	119,786	120,655	120,743	119,874	-0.1
Durable goods industries	68,698	68,803	68,157	-0.2	+0.9	-0.4	68,032	68,925	68,743	67,386	+1.0
Stone, clay, and glass products	2,586	2,542	2,551	+1.7	-0.4	+1.5	2,569	2,551	2,577	2,461	+4.4
Primary metals	5,921	5,865	5,837	+1.0	+0.5	-2.1	5,707	5,743	5,920	6,014	-5.1
Fabricated metal products	7,706	7,831	7,808	-1.6	+0.3	-3.4	7,698	7,857	7,886	8,025	-4.1
Industrial machinery and equipment	14,421	14,529	14,151	-0.7	+2.7	-0.7	14,268	14,682	14,354	13,845	+3.1
Electronic and other electrical equipment	11,248	11,070	10,855	+1.6	+2.0	+3.3	11,207	11,040	10,869	10,274	+9.1
Transportation equipment	10,766	10,963	11,019	-1.8	-0.5	-1.7	10,784	11,026	10,984	12,156	-11.3
Instruments and related products	6,707	6,679	6,711	+0.4	-0.5	-1.1	6,681	6,657	6,709	6,818	-2.0
Lumber, furniture and miscellaneous durable goods	9,343	9,324	9,225	+0.2	+1.1	+1.1	9,118	9,369	9,444	7,793	+17.0
Nondurable goods industries	51,704	51,485	51,434	+0.4	+0.1	-0.8	51,754	51,730	52,000	52,488	-1.4
Food and kindred products	9,965	9,915	10,014	+0.5	-1.0	-0.5	10,024	9,994	10,323	10,090	-0.7
Tobacco products	5,204	5,093	5,103	+2.2	-0.2	-2.1	5,313	5,368	5,485	5,414	-1.9
Textile mill products	2,756	2,669	2,660	+3.3	+0.3	-0.4	2,782	2,709	2,658	2,633	+5.7
Paper and allied products	6,673	6,599	6,584	+1.1	+0.2	-1.9	6,722	6,623	6,642	6,809	-1.3
Chemicals and allied products	11,214	11,260	11,228	-0.4	+0.3	-0.5	11,167	11,271	11,238	11,507	-3.0
Petroleum and coal products	2,845	2,949	2,894	-3.5	+1.9	+0.6	2,759	2,869	2,747	3,148	-12.4
Rubber and plastics products	4,586	4,544	4,473	+0.9	+1.6	+1.8	4,566	4,518	4,492	4,332	+5.4
Apparel, printing and publishing and leather goods	8,461	8,456	8,478	+0.1	-0.3	-2.0	8,421	8,378	8,415	8,555	-1.6
WORK IN PROCESS											
All manufacturing industries	128,535	128,583	129,119	0.0	-0.4	+0.3	128,431	128,564	127,625	129,441	-0.8
Durable goods industries	105,150	105,305	105,770	-0.1	-0.4	+0.4	105,109	105,359	104,307	106,421	-1.2
Stone, clay, and glass products	1,042	1,064	1,055	-2.1	+0.9	+2.8	1,088	1,093	1,030	1,195	-9.0
Primary metals	7,246	7,325	7,317	-1.1	+0.1	+0.6	7,296	7,348	7,230	7,236	+0.8
Fabricated metal products	7,474	7,501	7,497	-0.4	+0.1	+1.0	7,504	7,578	7,512	7,666	-2.1
Industrial machinery and equipment	19,125	18,506	18,675	+3.3	-0.9	+0.8	18,865	18,184	18,234	17,003	+11.0
Electronic and other electrical equipment	14,428	14,324	14,206	+0.7	+0.8	+1.5	14,419	14,343	14,053	13,464	+7.1
Transportation equipment	41,555	42,287	43,015	-1.7	-1.7	+0.2	41,750	42,530	42,577	45,541	-8.3
Instruments and related products	9,262	9,377	9,191	-1.2	+2.0	-1.9	9,142	9,329	8,904	9,857	-7.3
Lumber, furniture and miscellaneous durable goods	5,018	4,921	4,814	+2.0	+2.2	0.0	5,045	4,954	4,767	4,459	+13.1
Nondurable goods industries	23,385	23,278	23,349	+0.5	-0.3	0.0	23,322	23,205	23,318	23,020	+1.3
Food and kindred products	4,007	3,938	4,053	+1.8	-2.8	-0.7	4,019	3,989	4,251	3,745	+7.3
Tobacco products	176	163	163	+8.0	0.0	0.0	162	173	180	138	+17.4
Textile mill products	2,611	2,621	2,647	-0.4	-1.0	+1.6	2,599	2,632	2,621	2,386	+8.9
Paper and allied products	1,168	1,161	1,172	+0.6	-0.9	-0.8	1,184	1,160	1,171	1,223	-3.2
Chemicals and allied products	5,635	5,644	5,518	-0.2	+2.3	-4.8	5,543	5,649	5,501	5,549	-0.1
Petroleum and coal products	2,287	2,268	2,252	+0.8	+0.7	+9.2	2,264	2,186	2,154	2,731	-17.1
Rubber and plastics products	1,764	1,773	1,784	-0.5	-0.6	-0.2	1,742	1,800	1,827	1,645	+5.9
Apparel, printing and publishing and leather goods	5,737	5,710	5,760	+0.5	-0.9	+1.6	5,809	5,616	5,613	5,603	+3.7
FINISHED GOODS											
All manufacturing industries	130,902	131,197	130,198	-0.2	+0.8	+1.4	131,152	132,480	129,171	130,156	+0.8
Durable goods industries	64,448	64,724	64,245	-0.4	+0.7	+2.8	64,957	65,682	63,540	63,166	+2.8
Stone, clay, and glass products	3,919	3,906	3,950	+0.3	-1.1	-0.1	4,043	4,062	3,964	4,273	-5.4
Primary metals	6,351	6,357	6,333	-0.1	+0.4	+2.1	6,376	6,447	6,309	5,916	+7.8
Fabricated metal products	7,797	7,812	7,743	-0.2	+0.9	+2.4	7,991	7,869	7,596	7,854	+1.7
Industrial machinery and equipment	13,958	13,955	13,803	0.0	+1.1	+3.2	13,907	14,437	13,904	13,315	+4.4
Electronic and other electrical equipment	9,241	9,316	9,252	-0.8	+0.7	+1.4	9,198	9,245	8,912	8,112	+13.4
Transportation equipment	8,080	8,096	7,870	-0.2	+2.9	+5.6	7,964	8,239	7,814	8,458	-5.8
Instruments and related products	5,850	5,948	5,985	-1.6	-0.6	+0.4	5,851	5,899	5,780	6,184	-5.4
Lumber, furniture and miscellaneous durable goods	9,252	9,334	9,309	-0.9	+0.3	+4.8	9,627	9,484	9,261	9,054	+6.3
Nondurable goods industries	66,454	66,473	65,953	0.0	+0.8	+0.1	66,195	66,798	65,631	66,990	-1.2
Food and kindred products	16,388	16,177	16,010	+1.3	+1.0	+0.6	15,795	16,129	16,026	15,447	+2.3
Tobacco products	755	656	762	+15.1	-13.9	-22.9	721	708	748	1,279	-43.6
Textile mill products	4,311	4,358	4,345	-1.1	+0.3	+3.6	4,327	4,440	4,315	4,175	+3.6
Paper and allied products	5,609	5,703	5,638	-1.6	+1.2	+0.8	5,707	5,843	5,631	5,652	+1.0
Chemicals and allied products	17,179	17,314	17,245	-0.8	+0.4	+0.4	17,658	17,781	17,450	18,202	-3.0
Petroleum and coal products	4,990	4,964	4,840	+0.5	+2.6	-1.9	4,864	4,803	4,711	5,478	-11.2
Rubber and plastics products	6,076	6,089	6,045	-0.2	+0.7	+0.2	6,268	6,281	6,126	6,040	+3.8
Apparel, printing and publishing and leather goods	11,146	11,212	11,068	-0.6	+1.3	-0.1	10,855	10,813	10,624	10,717	+1.3

[p] Preliminary. [r] Revised.

See note at end of table 2 relating to survey variability.

Table 8. RATIOS OF MANUFACTURES' INVENTORIES TO SHIPMENTS AND UNFILLED ORDERS TO SHIPMENTS, BY INDUSTRY GROUP
(Based on seasonally adjusted data)

Industry	Inventory / Shipments ratio				Unfilled Orders / Shipments ratio[1]			
	Mar. 1994[p]	Feb. 1994[r]	Jan. 1994	Dec. 1993	Mar. 1994[p]	Feb. 1994[r]	Jan. 1994	Dec. 1993
All manufacturing industries	1.38	1.40	1.41	1.40	3.04	3.07	3.11	3.04
Durable goods industries	1.62	1.63	1.65	1.62	3.64	3.69	3.73	3.65
Stone, clay, and glass products	1.13	1.19	1.21	1.17	1.17	1.25	1.26	1.21
Primary metals	1.61	1.61	1.65	1.61	1.98	1.90	1.92	1.86
Fabricated metal products	1.53	1.56	1.54	1.56	1.47	1.44	1.43	1.48
Industrial machinery and equipment	1.80	1.78	1.86	1.76	2.28	2.22	2.29	2.14
Electronic and other electrical equipment	1.63	1.63	1.63	1.60	2.15	2.16	2.20	2.15
Transportation equipment	1.55	1.58	1.59	1.61	10.95	11.47	11.23	11.27
Instruments and related products	2.02	2.03	2.03	2.00	4.63	4.67	4.71	4.61
Nondurable goods industries	1.11	1.12	1.14	1.14	0.76	0.74	0.74	0.72
Food and kindred products	0.84	0.84	0.86	0.84	(X)	(X)	(X)	(X)
Tobacco products	2.78	1.84	1.78	2.42	(X)	(X)	(X)	(X)
Textile mill products	1.58	1.60	1.65	1.61	(NA)	(NA)	(NA)	(NA)
Paper and allied products	1.24	1.24	1.26	1.26	(NA)	(NA)	(NA)	(NA)
Chemicals and allied products	1.22	1.28	1.28	1.28	(X)	(X)	(X)	(X)
Petroleum and coal products	0.87	0.88	0.90	0.90	(X)	(X)	(X)	(X)
Rubber and plastics products	1.33	1.38	1.39	1.36	(X)	(X)	(X)	(X)

[p] Preliminary. [r] Revised. (X) Not applicable. (NA) Not available.

[1] Excludes the following industries with no unfilled orders : Wood and lumber products; glass containers; metal cans, barrels and drums; farm and garden machinery; motor vehicle assembly operations; other transportation equipment; foods and related products; tobacco; knitting mill products; apparel and related products; chemicals; petroleum and coal products; and rubber and plastics products.

Table 9. REVISIONS TO PREVIOUSLY PUBLISHED MONTHLY PERCENT CHANGES
(Based on seasonally adjusted data)

Industry	Shipments			New orders			Unfilled orders			Inventories		
	Mar.[1] 1994	Mar.[2] 1989-1993	Mar. 1993-Feb. 1994	Mar.[1] 1994	Mar.[2] 1989-1993	Mar. 1993-Feb. 1994	Mar.[1] 1994	Mar.[2] 1989-1993	Mar. 1993-Feb. 1994	Mar.[1] 1994	Mar.[2] 1989-1993	Mar. 1993-Feb. 1994
All manufacturing industries	(X)	0.0	0.2	(X)	0.1	0.2	(X)	0.0	0.1	(X)	0.0	0.1
Durable goods industries	0.1	0.2	0.3	0.4	0.3	0.3	0.1	0.1	0.1	(X)	0.0	0.1
Stone, clay, and glass products	(X)	0.6	0.4	(X)	0.7	0.9	(X)	0.2	0.6	(X)	0.1	0.1
Primary metals	-0.1	0.1	0.3	0.9	0.6	1.0	0.7	0.3	0.4	(X)	0.1	0.1
Fabricated metal products	(X)	0.1	0.4	(X)	0.3	0.5	(X)	0.2	0.4	(X)	0.1	0.4
Industrial machinery and equipment	-0.3	0.5	0.5	-0.4	0.4	0.6	-0.1	0.3	0.1	(X)	0.2	0.1
Electronic and other electrical equipment	0.2	0.2	0.2	0.2	0.5	0.5	0.0	0.1	0.2	(X)	0.1	0.0
Transportation equipment	0.0	0.3	0.5	0.0	0.6	0.8	0.0	0.1	0.1	(X)	0.1	0.1
Instruments and related products	(X)	0.1	0.2	(X)	0.5	2.2	(X)	0.1	0.5	(X)	0.0	0.2
Nondurable goods industries	(X)	0.1	0.2	(X)	0.1	0.2	(X)	0.2	0.4	(X)	0.1	0.1
Food and kindred products	(X)	0.1	0.2	(X)	(X)	(X)	(X)	(X)	(X)	(X)	0.1	0.1
Tobacco products	(X)	0.4	0.2	(X)	(X)	(X)	(X)	(X)	(X)	(X)	0.0	0.1
Textile mill products	(X)	0.3	0.3	(X)	(NA)	(NA)	(X)	(NA)	(NA)	(X)	0.1	0.2
Paper and allied products	(X)	0.4	0.3	(X)	(NA)	(NA)	(X)	(NA)	(NA)	(X)	0.2	0.1
Chemicals and allied products	(X)	0.3	0.2	(X)	(X)	(X)	(X)	(X)	(X)	(X)	0.1	0.1
Petroleum and coal products	(X)	0.1	0.3	(X)	(X)	(X)	(X)	(X)	(X)	(X)	0.2	0.3
Rubber and plastics products	(X)	0.5	0.3	(X)	(X)	(X)	(X)	(X)	(X)	(X)	0.1	0.2
Capital goods industries :												
Nondefense	-0.1	0.3	0.5	-0.2	0.4	0.8	0.0	0.1	0.1	(X)	0.1	0.1
Defense	0.3	0.3	0.4	-0.1	1.4	5.2	0.0	0.1	0.3	(X)	0.1	0.2

(X) Not applicable. (NA) Not available.

Note : The five year and the twelve month revisions are the differences between the month-to-month percent changes of the preliminary and final estimates. The monthly averages are the simple averages of the absolute values of the differences for the months specified. The advance to final percent change revisions for the durable goods industries are shown in the advance report for the month.

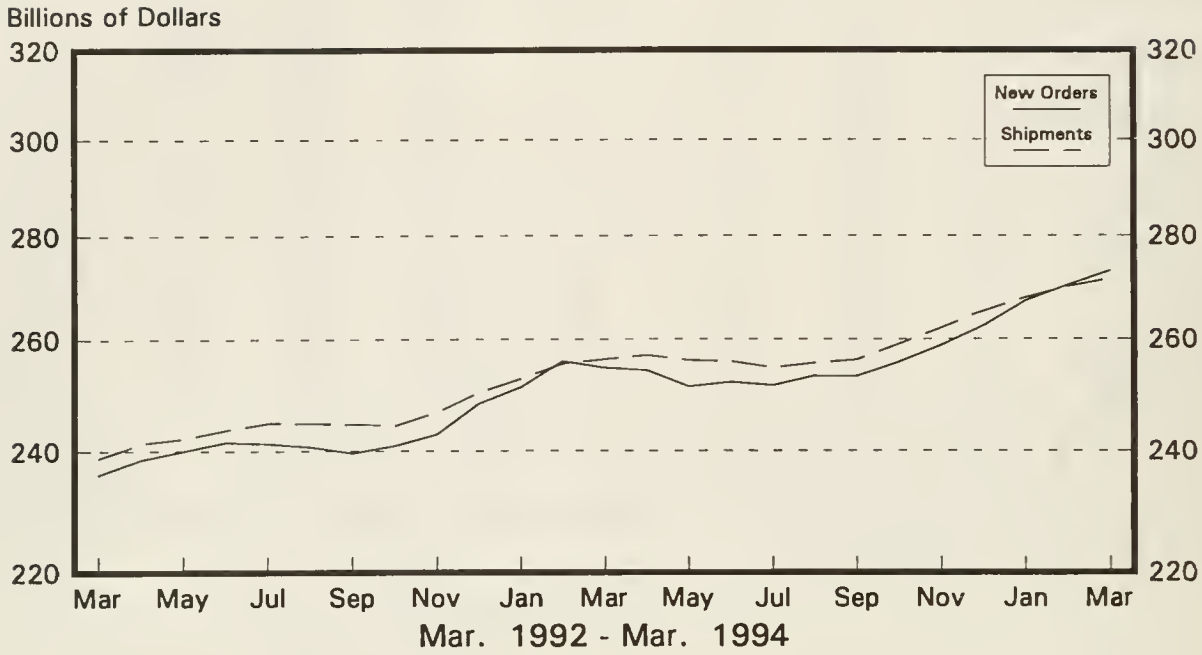
[1] The current month revisions are the difference between the advance percent change and the percent change as shown in this publication.

[2] Average for this month for the last five years.

See note at end of table 2 relating to survey variability.

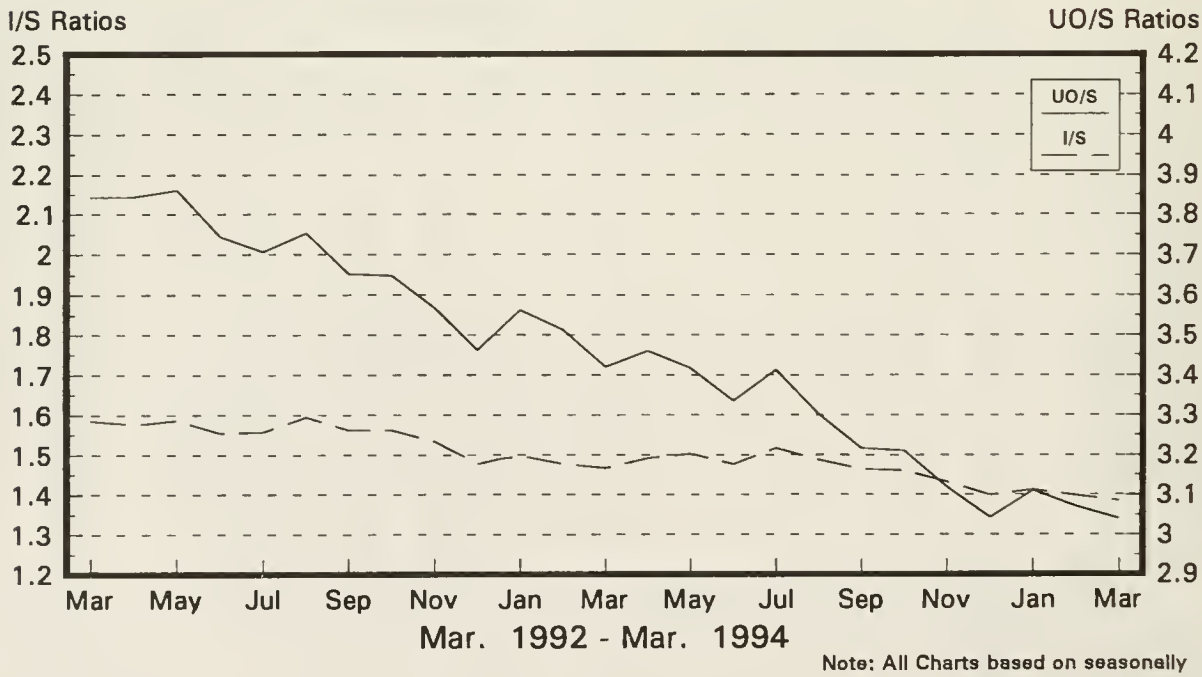
Total Manufacturing

New Orders and Shipments
Three Month Moving Averages



Total Manufacturing

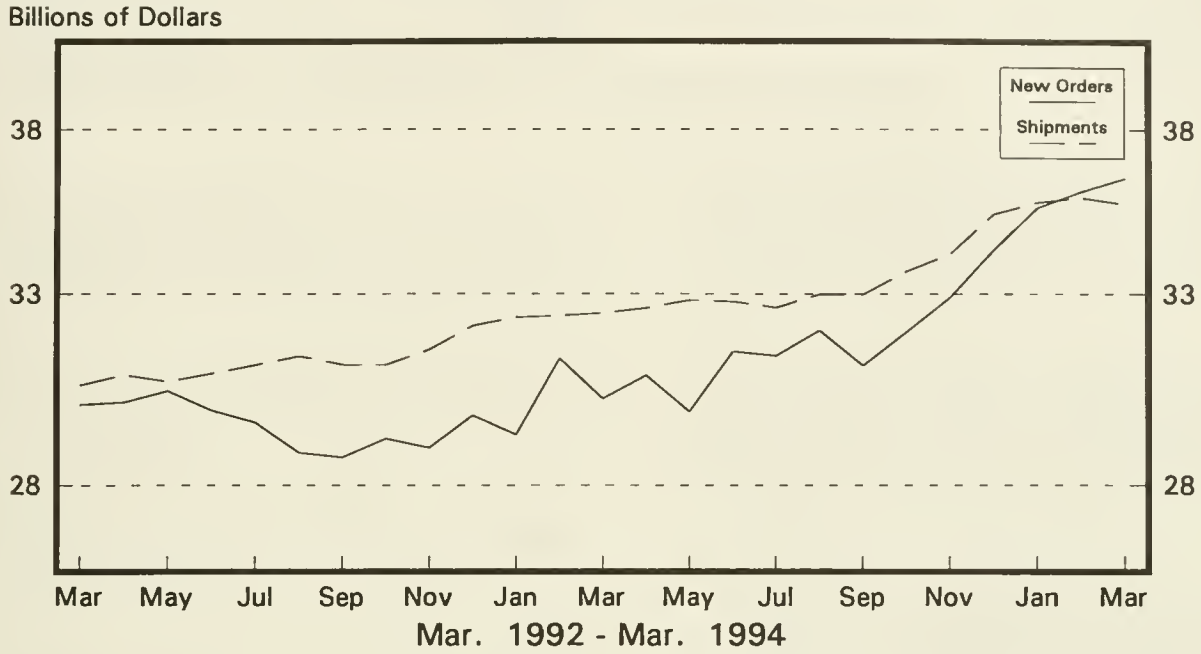
Ratio of Unfilled Orders and
Inventories to Shipments



Note: All Charts based on seasonally adjusted current dollars.

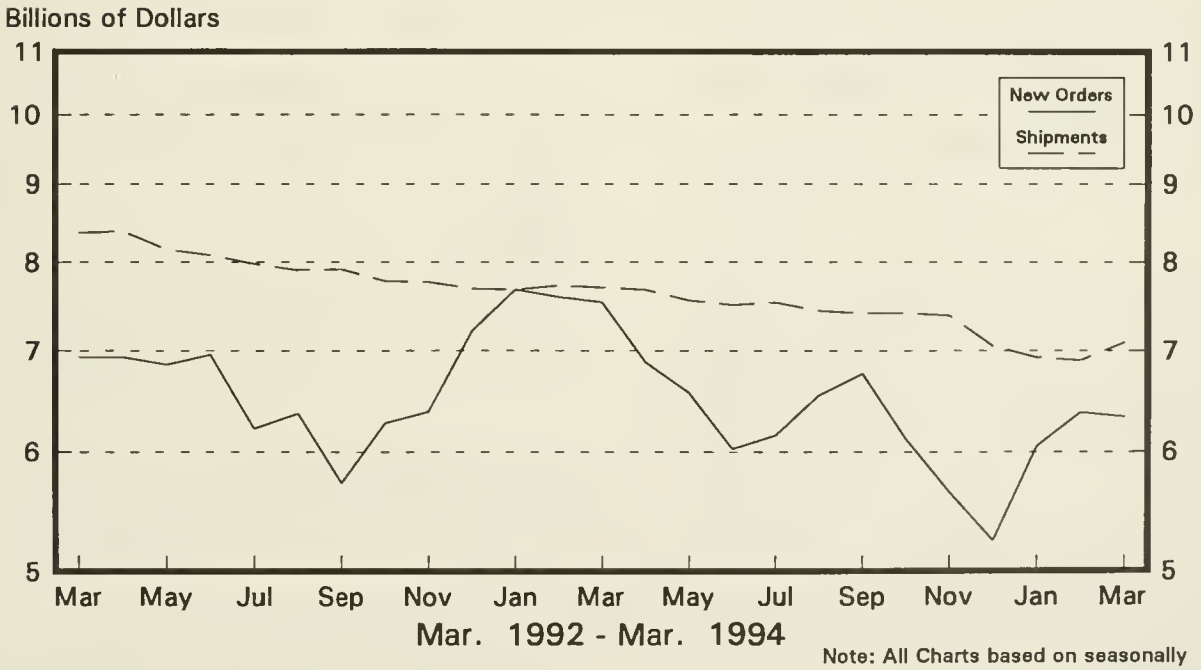
Nondefense Capital Goods

New Orders and Shipments
Three Month Moving Averages



Defense Capital Goods

New Orders and Shipments
Three Month Moving Averages



Note: All Charts based on seasonally adjusted current dollars.

U.S. Department of Commerce
BUREAU OF THE CENSUS
Washington, D.C. 20233

Official Business

Penalty for Private Use, $300

U.S.MA

POSTAGE AND FEE PA
U S DEPARTMENT OF COM-PC

COM 202

First Class Mai

3.158:M 3-1-(94)-04

rrent Industrial Reports, Manufac...

AUG 4 1994

Manufacturers' Shipments, Inventories, and Orders

U. S. Department of Commerce
Economics and Statistics Administration
BUREAU OF THE CENSUS

April 1994
M3-1-(94)-04
For Wire Transmissions 10:00 a.m. E.D.T. June 2, 1994

Steve Andrews or Kathy Menth
(301)763-2502 or (301)763-2575

Note: All figures in text are in seasonally adjusted current dollars

Summary

New orders for manufactured goods in April decreased $0.3 billion or 0.1 percent to $274.4 billion, the Department of Commerce, Bureau of the Census reported today. This follows a 1.1 percent March increase. Year-to-date new orders for 1994 are 7.6 percent above the same period a year ago.

Shipments decreased $0.8 billion or 0.3 percent to $273.7 billion, following a 1.0 percent increase in March. Year-to-date shipments for 1994 are 6.3 percent above the same period a year ago.

Unfilled orders increased $0.7 billion or 0.2 percent to $447.1 billion, the third increase in the last four months. The unfilled orders-to-shipments ratio increased from 3.03 in March to 3.05 in April.

Inventories increased $0.9 billion or 0.2 percent to $380.7 billion, following a 0.1 percent decrease in March. The inventories-to-shipments ratio increased from 1.38 in March to 1.39 in April.

New Orders

New orders for manufactured durable goods in April decreased $0.2 billion or 0.1 percent to $146.8 billion, following a 0.7 percent increase in March. Excluding transportation equipment, new orders were up $0.5 billion or 0.4 percent, the eleventh consecutive monthly increase.

Primary metals had the largest decline, down $0.9 billion or 6.6 percent to $12.4 billion, following a 6.0 percent increase in March. Transportation equipment decreased $0.6 billion or 1.7 percent to $35.6 billion, as declines in railroad equipment and motor vehicles and parts more than offset an increase in aircraft and parts. This is the third consecutive monthly decline. Fabricated metal products decreased $0.6 billion or 3.7 percent to $14.9 billion, following five consecutive monthly increases. Electronic and other electrical equipment had the largest increase, up $1.9 billion or 8.7 percent, led by electronic components, to $23.4 billion, with increases in all categories. This is the fourth increase in the last five months.

New orders for nondurable goods decreased $0.1 billion or 0.1 percent to $127.7 billion, as decreases in food and kindred products and textile mill products more than offset an increase in tobacco products. This follows five consecutive monthly increases.

Shipments

Shipments of durable goods in April decreased $0.9 billion or 0.6 percent to $146.5 billion. This follows two consecutive monthly increases. Transportation equipment had the largest decrease, down $1.2 billion or 3.0 percent to $37.7 billion, primarily due to aircraft and parts. Electronic and other electrical equipment had the largest increase, up $0.7 billion or 3.1 percent to $22.1 billion, with increases in nearly all categories. This is the sixth consecutive monthly increase.

Shipments of nondurable goods increased $0.1 billion or 0.1 percent to $127.2 billion, the sixth consecutive monthly increase. The largest increase was in tobacco products, up $1.1 billion or 51.4 percent to $3.3 billion, following a 31.5 percent decline in March. Food and kindred products had the largest decrease, down $1.0 billion or 2.8 percent to $35.0 billion.

Unfilled Orders

Unfilled orders for durable goods in April increased $0.3 billion or 0.1 percent to $423.5 billion, the first increase since January. Industrial machinery and equipment, up for the tenth consecutive month, had the largest increase, up $1.6 billion or 2.8 percent to $57.6 billion, with increases in nearly all categories. Electronic and other electrical equipment increased $1.2 billion or 2.7 percent to $47.4 billion, primarily due to electronic components. Transportation equipment had the largest decrease, down $2.1 billion or 1.0 percent to $209.7 billion, primarily due to aircraft and parts. This is the twenty-third decrease in the last twenty-four months. Instruments and related products decreased $0.7 billion or 1.4 percent to $49.3 billion, primarily due to search and navigation equipment. This is the eleventh decline in the last twelve months.

Unfilled orders for nondurable goods increased $0.4 billion or 1.8 percent to $23.6 billion, the sixth increase in a row.

Inventories

Inventories for durable goods in April increased $0.9 billion or 0.4 percent to $239.1 billion, following a 0.3 percent decrease in March. Electronic and other electrical equipment had the largest increase, up $0.5 billion or 1.4 percent to $35.5 billion, the sixteenth increase in the last eighteen months. Industrial machinery and equipment increased $0.4 billion or 0.9 percent to $47.9 billion, the thirteenth consecutive monthly increase. Nondurable goods inventories remained at $141.6 billion, following two consecutive monthly increases.

By stage of fabrication, finished goods increased 0.5 percent in durables and 0.5 percent in nondurables. Work in process decreased 0.1 percent in durables and 0.9 percent in nondurables. Materials and supplies increased 1.0 percent in durables and decreased 0.2 percent in nondurables.

The advance report on durable goods for May is scheduled for June 23, 1994 at 8:30 a.m. and the full report on June 30, 1994 at 10:00 a.m. For sale by the Superintendent of Documents, U.S. Government Printing Office, Washington, DC 20402. This report is also available the day of issue through the Department of Commerce's online Economic Bulletin Board (N-8-1) (202-482-3870) and through the Census Bureau's online information service—CENDATA. CENDATA is available from Dialog Information Services, Inc. (1-800-334-2564) and CompuServe (1-800-848-8199). The CENDATA staff at the Bureau of the Census (301-763-2074) can provide content information and general guidance.

Table 1. VALUE OF MANUFACTURERS' SHIPMENTS FOR INDUSTRY GROUPS
(Millions of dollars)

Industry	Seasonally adjusted						Not seasonally adjusted[1]						
	Monthly			Percent Change			Monthly				Percent change	Year to date	
	Apr. 1994[p]	Mar. 1994[r]	Feb. 1994	Mar.-Apr.	Feb.-Mar.	Jan.-Feb.	Apr. 1994[p]	Mar. 1994[r]	Feb. 1994	Apr. 1993	Apr. 94/93	1994[p]	1993
All manufacturing industries	273,720	274,497	271,815	-0.3	+1.0	+1.3	272,511	288,084	268,436	253,519	+7.5	1,070,209	1,002,392
Manufacturing Industries													
with unfilled orders	146,589	147,199	145,302	-0.4	+1.3	+1.3	144,270	156,417	142,954	133,076	+8.4	570,993	529,203
without defense capital goods	266,759	267,358	264,879	-0.2	+0.9	+1.4	266,045	280,617	261,852	246,531	+7.9	1,043,883	973,988
Durable goods industries	146,495	147,388	146,260	-0.6	+0.8	+1.1	146,923	158,209	145,679	133,168	+10.3	578,473	524,481
With unfilled orders	116,032	116,630	114,979	-0.5	+1.4	+1.1	113,936	125,405	112,877	103,975	+9.6	452,019	413,902
Stone, clay, and glass products	6,728	6,681	6,329	+0.7	+5.6	+1.2	6,945	6,578	5,789	5,940	+16.9	24,588	21,204
Primary metals	12,217	12,243	12,140	-0.2	+0.8	+2.9	12,577	12,778	12,367	11,711	+7.4	48,921	46,273
Blast furnaces, steel mills	5,533	5,522	5,616	+0.2	-1.7	+5.2	5,677	5,785	5,737	5,329	+6.5	22,379	20,921
Iron and steel foundries	1,159	1,188	1,165	-2.4	+2.0	+1.0	1,226	1,250	1,192	1,102	+11.3	4,724	4,220
Nonferrous and other primary metals	5,525	5,533	5,359	-0.1	+3.2	+0.9	5,674	5,743	5,438	5,280	+7.5	21,818	21,132
Fabricated metal products	14,996	15,082	14,864	-0.6	+1.5	-0.7	14,945	15,955	14,769	13,882	+7.7	59,124	54,809
Industrial machinery and equipment	26,330	26,513	26,362	-0.7	+0.6	+5.0	25,821	30,651	25,601	22,505	+14.7	103,466	90,956
Engines and turbines	1,715	1,752	1,736	-2.1	+0.9	+10.9	1,643	2,025	1,579	1,397	+17.6	6,572	5,667
Farm and garden machinery	1,703	1,852	1,673	-8.0	+10.7	+9.9	2,291	2,408	1,971	2,101	+9.0	8,073	6,859
Construction, mining and material handling equipment	2,579	2,607	2,659	-1.1	-2.0	+1.1	2,718	2,865	2,759	2,564	+6.0	10,669	9,919
Metalworking machinery	2,808	2,720	2,681	+3.2	+1.5	+0.4	2,631	2,979	2,597	2,391	+10.0	10,413	9,894
Computer and office equipment	7,223	7,361	7,112	-1.9	+3.5	+3.5	5,836	8,986	6,234	4,808	+21.4	26,289	22,255
Electronic and other electrical equipment	22,102	21,431	21,288	+3.1	+0.7	+1.0	21,249	22,657	21,000	17,808	+19.3	83,446	71,160
Electrical transmission and distribution equipment and industrial apparatus	2,570	2,568	2,590	+0.1	-0.8	+2.1	2,574	2,798	2,671	2,417	+6.5	10,264	9,428
Household appliances	1,883	1,840	1,810	+2.3	+1.7	+7.4	1,932	1,991	1,747	1,599	+20.8	7,097	6,199
Electric lighting and wiring equipment	1,771	1,732	1,737	+2.3	-0.3	+0.2	1,704	1,831	1,787	1,567	+8.7	6,845	6,533
Household audio and video equipment	1,017	951	991	+6.9	-4.0	+0.3	826	904	905	728	+13.5	3,445	3,191
Communications equipment	4,916	4,670	4,506	+5.3	+3.6	+2.3	4,596	5,064	4,265	3,403	+35.1	17,554	13,693
Electronic components	7,588	7,613	7,335	-0.3	+3.8	-1.1	7,512	7,969	7,435	6,407	+17.2	29,826	25,085
Transportation equipment	37,702	38,852	38,768	-3.0	+0.2	-0.7	39,429	41,840	40,241	36,734	+7.3	155,825	142,414
Motor vehicles and parts	26,679	26,777	27,620	-0.4	-3.1	+0.8	28,682	28,774	29,516	24,903	+15.2	112,019	95,804
Aircraft, missiles, space vehicles, and parts	8,321	9,537	8,469	-12.8	+12.6	-8.0	7,911	10,315	8,040	9,337	-15.3	33,435	36,906
Shipbuilding and tanks	1,010	902	1,034	+12.0	-12.8	+8.7	971	942	1,028	929	+4.5	3,682	3,782
Instruments and related products	10,831	10,803	10,866	+0.3	-0.6	+1.0	10,298	11,436	10,392	10,024	+2.7	41,673	40,858
Search and navigation equipment	2,524	2,360	2,577	+6.9	-8.4	+0.4	2,293	2,509	2,438	2,413	-5.0	9,351	10,286
Measuring and controlling devices	3,075	3,206	3,080	-4.1	+4.1	+1.3	2,964	3,495	2,999	2,773	+6.9	12,321	11,277
Medical instruments and supplies	2,935	2,960	2,939	-0.8	+0.7	+1.7	2,847	3,145	2,880	2,798	+1.8	11,560	11,413
Photographic goods	1,937	1,923	1,928	+0.7	-0.3	+1.3	1,834	1,911	1,739	1,709	+7.3	7,062	6,586
All other durable goods	15,589	15,783	15,643	-1.2	+0.9	-0.3	15,659	16,314	15,520	14,564	+7.5	61,430	56,807
Nondurable goods industries	127,225	127,109	125,555	+0.1	+1.2	+1.6	125,588	129,875	122,757	120,351	+4.4	491,736	477,911
With unfilled orders	30,557	30,569	30,323	0.0	+0.8	+2.0	30,334	31,012	30,077	29,101	+4.2	118,974	115,301
Food and kindred products	34,996	35,987	35,674	-2.8	+0.9	+1.7	33,931	36,861	34,854	33,389	+1.6	137,631	131,956
Meat products	7,942	8,026	8,152	-1.0	-1.5	+0.2	7,759	8,009	7,905	7,715	+0.6	31,234	30,327
Dairy products	4,603	4,805	4,716	-4.2	+1.9	+2.9	4,562	4,868	4,541	4,469	+2.1	18,171	17,197
Beverages	5,141	5,211	5,146	-1.3	+1.3	+4.2	5,095	5,183	4,658	4,740	+7.5	19,179	17,945
All other foods, except fats and oils	15,589	16,045	15,780	-2.8	+1.7	+1.3	14,794	16,901	15,870	14,799	0.0	61,709	59,688
Tobacco products	3,336	2,203	3,216	+51.4	-31.5	-5.0	2,732	2,671	2,675	1,873	+45.9	10,662	9,660
Textile mill products	5,988	6,131	6,026	-2.3	+1.7	+3.1	5,834	6,373	5,859	5,641	+3.4	23,110	22,502
Broadwoven fabrics and other textiles	3,660	3,811	3,738	-4.0	+2.0	+4.0	3,598	4,025	3,690	3,569	+0.8	14,475	14,336
Paper and allied products	10,836	10,863	10,876	-0.2	-0.1	+2.4	10,644	11,096	10,888	10,564	+0.8	42,856	42,884
Pulp, paper, and paperboard mill products	4,223	4,271	4,287	-1.1	-0.4	+1.1	4,143	4,361	4,305	4,315	-4.0	16,896	17,344
Paperboard containers and boxes	2,864	2,793	2,752	+2.5	+1.5	+3.1	2,921	2,822	2,718	2,691	+8.5	11,015	10,555
Miscellaneous converted paper products	3,749	3,799	3,837	-1.3	-1.0	+3.4	3,580	3,913	3,865	3,558	+0.6	14,945	14,985
Chemicals and allied products	27,674	27,723	26,650	-0.2	+4.0	+0.4	28,919	29,346	26,435	26,958	+7.3	110,016	105,164
Industrial chemicals	14,134	14,162	13,804	-0.2	+2.6	+1.0	14,671	14,782	13,989	13,891	+5.6	56,390	54,320
Drugs, soaps, and toiletries	10,241	10,193	9,764	+0.5	+4.4	-1.1	9,790	10,593	9,493	9,159	+6.9	39,561	38,090
Petroleum and coal products	11,850	11,712	11,597	+1.2	+1.0	+4.9	11,513	10,618	10,388	12,589	-8.5	42,438	48,460
Rubber and plastics products	9,281	9,296	8,981	-0.2	+3.5	+1.2	9,525	9,773	9,055	8,708	+9.4	36,618	34,649
All other nondurable goods	23,264	23,194	22,535	+0.3	+2.9	+1.5	22,490	23,137	22,603	20,629	+9.0	88,405	82,636

[p] Preliminary. [r] Revised.

[1] Shipments and new orders are the totals for the period and are adjusted for trading-day and calendar-month variations.

See note at end of table 2 relating to survey variability.

Table 2. VALUE OF MANUFACTURERS' NEW ORDERS FOR INDUSTRY GROUPS
(Millions of dollars)

Industry	Seasonally adjusted						Not seasonally adjusted[1]						
	Monthly			Percent Change			Monthly				Percent change	Year to date	
	Apr. 1994[p]	Mar. 1994[r]	Feb. 1994	Mar.-Apr.	Feb.-Mar.	Jan.-Feb.	Apr. 1994[p]	Mar. 1994[r]	Feb. 1994	Apr. 1993	Apr. 94/93	1994[p]	1993
All manufacturing industries	274,402	274,691	271,786	-0.1	+1.1	-0.3	274,354	289,574	270,065	251,370	+9.1	1,083,948	1,001,398
Manufacturing industries													
with unfilled orders	147,271	147,393	145,273	-0.1	+1.5	-1.7	146,113	157,907	144,583	130,927	+11.6	584,732	528,209
without defense capital goods	268,263	269,789	265,650	-0.6	+1.6	+0.3	269,092	283,515	264,714	245,336	+9.7	1,060,283	974,069
Durable goods industries	146,751	146,906	145,882	-0.1	+0.7	-1.8	148,063	158,314	146,688	130,821	+13.2	588,841	522,233
With unfilled orders	116,288	116,148	114,601	+0.1	+1.3	-2.5	115,076	125,510	113,886	101,628	+13.2	462,387	411,654
Stone, clay, and glass products	6,923	6,666	6,376	+3.9	+4.5	+0.2	7,327	6,495	6,170	6,011	+21.9	25,349	22,060
Primary metals	12,387	13,259	12,512	-6.6	+6.0	+3.8	12,693	14,607	13,148	11,435	+11.0	52,884	49,781
Blast furnaces, steel mills	5,737	5,766	5,724	-0.5	+0.7	+6.7	5,817	6,257	6,270	5,082	+14.5	24,128	23,539
Iron and steel foundries	1,127	1,300	1,265	-13.3	+2.8	+6.0	1,147	1,434	1,178	1,116	+2.8	5,006	4,271
Nonferrous and other primary metals	5,523	6,193	5,523	-10.8	+12.1	+0.6	5,729	6,916	5,700	5,237	+9.4	23,750	21,971
Fabricated metal products	14,945	15,514	14,897	-3.7	+4.1	+1.3	14,850	16,542	14,692	13,583	+9.3	59,563	54,533
Industrial machinery and equipment	27,908	27,827	27,116	+0.3	+2.6	+4.8	27,328	31,311	26,603	22,362	+22.2	108,336	91,476
Engines and turbines	1,637	1,678	1,842	-2.4	-8.9	+14.3	1,378	1,731	1,512	1,175	+17.3	5,939	5,234
Construction, mining and material handling equipment	2,819	2,794	2,841	+0.9	-1.7	+8.7	2,893	3,061	3,000	2,415	+19.8	11,416	10,074
Metalworking machinery	2,959	3,180	2,886	-6.9	+10.2	-9.6	2,782	3,439	2,802	2,275	+22.3	11,753	9,453
Computer and office equipment	7,739	7,732	6,983	+0.1	+10.7	+1.8	6,499	9,300	6,159	4,741	+37.1	27,283	22,259
Electronic and other electrical equipment	23,352	21,487	20,965	+8.7	+2.5	-6.0	23,341	21,796	21,507	18,682	+24.9	87,183	72,587
Electrical transmission and distribution equipment and industrial apparatus	2,613	2,570	2,698	+1.7	-4.7	-0.3	2,624	2,771	2,804	2,487	+5.5	10,637	9,757
Electric lighting and wiring equipment	1,833	1,739	1,746	+5.4	-0.4	-2.0	1,766	1,838	1,796	1,616	+9.3	6,972	6,637
Communications equipment	4,998	4,788	4,751	+4.4	+0.8	+12.6	4,753	5,103	4,527	3,528	+34.7	17,837	13,167
Electronic components	8,524	7,788	6,828	+9.5	+14.1	-19.5	9,228	7,509	7,489	7,026	+31.3	32,611	26,193
Transportation equipment	35,634	36,268	37,496	-1.7	-3.3	-9.2	37,441	40,242	38,480	33,341	+12.3	153,588	132,497
Aircraft, missiles, space vehicles, and parts	6,472	6,093	7,546	+6.2	-19.3	-35.0	6,068	7,846	6,564	6,430	-5.6	30,787	26,949
Shipbuilding and tanks	626	559	538	+12.0	+3.9	-25.6	650	609	546	482	+34.9	2,313	3,555
Instruments and related products	10,147	10,049	10,968	+1.0	-8.4	+4.8	9,123	10,675	10,563	10,361	-11.9	39,567	41,115
Search and navigation equipment	1,982	1,463	2,830	+35.5	-48.3	+44.1	1,288	1,545	2,794	2,872	-55.2	7,073	10,678
Measuring and controlling devices	3,201	3,447	3,128	-7.1	+10.2	-0.6	3,090	3,736	3,047	2,864	+7.9	12,842	11,432
Medical instruments and supplies	2,758	2,781	2,762	-0.8	+0.7	-9.7	2,670	2,966	2,703	2,665	+0.2	11,196	11,153
All other durable goods	15,455	15,836	15,552	-2.4	+1.8	+0.3	15,960	16,646	15,525	15,046	+6.1	62,371	58,184
Nondurable goods industries	127,651	127,785	125,904	-0.1	+1.5	+1.5	126,291	131,260	123,377	120,549	+4.8	495,107	479,165
With unfilled orders	30,983	31,245	30,672	-0.8	+1.9	+1.6	31,037	32,397	30,697	29,299	+5.9	122,345	116,555

[p] Preliminary. [r] Revised.

[1] Shipments and new orders are the totals for the period and are adjusted for trading-day and calendar-month variations.

(n) When new orders for a prior month are negative because of cancellations, the percentage change calculation is algebraically negative, even though there is a net dollar increase from the prior month to the current month.

Note : Estimates of manufacturers' shipments, inventories and orders are subject to survey variability and revision. Since the survey panel is not a probability sample, estimates of sampling variability cannot be calculated. Further details on survey design, methodology, and data limitation are contained in our most recent annual benchmark publication, Current Industrial Reports: M3-1(92), "Manufacturers' Shipments, Inventories, and Orders: 1982-1992."

Table 3. VALUE OF MANUFACTURERS' UNFILLED ORDERS FOR INDUSTRY GROUPS
(Millions of dollars)

Industry	Seasonally adjusted						Not seasonally adjusted				
	Monthly			Percent Change			Monthly				Percent change
	Apr. 1994[p]	Mar. 1994[r]	Feb. 1994	Mar.-Apr.	Feb.-Mar.	Jan.-Feb.	Apr. 1994[p]	Mar. 1994[r]	Feb. 1994	Apr. 1993	Apr. 94/93
All manufacturing industries	447,080	446,398	446,204	+0.2	0.0	0.0	452,097	450,254	448,764	471,192	-4.1
Manufacturing industries without defense capital goods	334,002	332,498	330,067	+0.5	+0.7	+0.2	337,620	334,573	331,675	342,487	-1.4
Durable goods industries	423,524	423,268	423,750	+0.1	-0.1	-0.1	427,995	426,855	426,750	447,877	-4.4
Stone, clay, and glass products	7,574	7,379	7,394	+2.6	-0.2	+0.6	7,580	7,198	7,281	7,248	+4.6
Primary metals	24,228	24,058	23,042	+0.7	+4.4	+1.6	25,511	25,395	23,566	24,184	+5.5
Blast furnaces, steel mills	10,833	10,629	10,385	+1.9	+2.3	+1.1	11,461	11,321	10,849	11,040	+3.8
Iron and steel foundries	3,315	3,347	3,235	-1.0	+3.5	+3.2	3,325	3,404	3,220	2,881	+15.4
Nonferrous and other primary metals	10,080	10,082	9,422	0.0	+7.0	+1.8	10,725	10,670	9,497	10,263	+4.5
Fabricated metal products	20,250	20,301	19,869	-0.3	+2.2	+0.2	20,485	20,580	19,993	22,485	-8.9
Industrial machinery and equipment	57,586	56,008	54,694	+2.8	+2.4	+1.4	57,848	56,341	55,681	50,639	+14.2
Engines and turbines	9,841	9,919	9,993	-0.8	-0.7	+1.1	9,506	9,771	10,065	9,623	-1.2
Construction, mining and material handling equipment	6,410	6,170	5,983	+3.9	+3.1	+3.1	6,538	6,363	6,167	5,754	+13.6
Metalworking machinery	8,675	8,524	8,064	+1.8	+5.7	+2.6	8,675	8,524	8,064	6,892	+25.9
Computer and office equipment	8,311	7,795	7,424	+6.6	+5.0	-1.7	8,245	7,582	7,268	7,125	+15.7
Electronic and other electrical equipment	47,384	46,134	46,078	+2.7	+0.1	-0.7	48,175	46,083	46,944	43,514	+10.7
Electrical transmission and distribution equipment and industrial apparatus	6,128	6,085	6,083	+0.7	0.0	+1.8	6,143	6,093	6,120	5,881	+4.5
Electric lighting and wiring equipment	3,364	3,302	3,295	+1.9	+0.2	+0.3	3,364	3,302	3,295	3,084	+9.1
Communications equipment	15,295	15,213	15,095	+0.5	+0.8	+1.6	15,315	15,158	15,119	12,896	+18.8
Electronic components	17,168	16,232	16,057	+5.8	+1.1	-3.1	17,889	16,173	16,633	16,790	+6.5
Transportation equipment	209,707	211,775	214,359	-1.0	-1.2	-0.6	211,239	213,227	214,825	235,929	-10.5
Aircraft, missiles, space vehicles, and parts	180,026	181,875	185,319	-1.0	-1.9	-0.5	181,377	183,220	185,689	207,219	-12.5
Shipbuilding and tanks	17,929	18,313	18,656	-2.1	-1.8	-2.6	17,927	18,248	18,581	20,987	-14.6
Instruments and related products	49,279	49,963	50,717	-1.4	-1.5	+0.2	49,288	50,463	51,224	55,844	-11.7
Search and navigation equipment	31,984	32,526	33,423	-1.7	-2.7	+0.8	32,012	33,017	33,981	37,547	-14.7
Measuring and controlling devices	9,353	9,227	8,986	+1.4	+2.7	+0.5	9,353	9,227	8,986	9,343	+0.1
Medical instruments and supplies	7,092	7,269	7,448	-2.4	-2.4	-2.3	7,092	7,269	7,448	8,163	-13.1
All other durable goods	7,516	7,650	7,597	-1.8	+0.7	-1.2	7,869	7,568	7,236	8,034	-2.1
Nondurable goods industries	23,556	23,130	22,454	+1.8	+3.0	+1.6	24,102	23,399	22,014	23,315	+3.4

[p] Preliminary. [r] Revised.

See note at end of table 2 relating to survey variability.

Table 4. VALUE OF MANUFACTURERS' INVENTORIES FOR INDUSTRY GROUPS
(Millions of dollars)

Industry	Seasonally adjusted						Not seasonally adjusted				
	Monthly			Percent Change			Monthly				Percent change
	Apr. 1994[p]	Mar. 1994[r]	Feb. 1994	Mar.-Apr.	Feb.-Mar.	Jan.-Feb.	Apr. 1994[p]	Mar. 1994[r]	Feb. 1994	Apr. 1993	Apr. 94/93
All manufacturing industries	380,672	379,772	380,068	+0.2	-0.1	+0.3	382,348	379,434	381,699	382,062	+0.1
Manufacturing industries											
with unfilled orders	252,293	251,291	251,686	+0.4	-0.2	+0.4	253,813	250,539	251,942	252,355	+0.6
without defense capital goods	354,990	354,182	353,586	+0.2	+0.2	+0.4	356,643	353,981	355,522	353,433	+0.9
Durable goods industries	239,107	238,195	238,832	+0.4	-0.3	+0.3	240,266	238,002	239,966	238,331	+0.8
With unfilled orders	218,961	217,988	218,445	+0.4	-0.2	+0.4	220,047	217,191	218,748	218,745	+0.6
Stone, clay, and glass products	7,548	7,546	7,512	0.0	+0.5	-0.6	7,728	7,702	7,706	7,931	-2.6
Primary metals	19,521	19,552	19,547	-0.2	0.0	+0.3	19,514	19,401	19,538	19,119	+2.1
Blast furnaces, steel mills	9,451	9,496	9,554	-0.5	-0.6	0.0	9,281	9,297	9,586	9,262	+0.2
Iron and steel foundries	1,454	1,455	1,431	-0.1	+1.7	+0.5	1,505	1,498	1,453	1,425	+5.6
Nonferrous and other primary metals	8,616	8,601	8,562	+0.2	+0.5	+0.6	8,728	8,606	8,499	8,432	+3.5
Fabricated metal products	22,933	22,850	23,144	+0.4	-1.3	+0.4	23,139	23,079	23,304	23,399	-1.1
Industrial machinery and equipment	47,886	47,478	46,990	+0.9	+1.0	+0.8	47,945	47,000	47,303	44,838	+6.9
Engines and turbines	3,569	3,538	3,501	+0.9	+1.1	+0.3	3,608	3,430	3,416	3,591	+0.5
Farm and garden machinery	2,433	2,412	2,441	+0.9	-1.2	-1.5	2,392	2,516	2,659	2,191	+9.2
Construction, mining and material handling equipment	5,738	5,702	5,593	+0.6	+1.9	-0.5	5,824	5,790	5,669	5,979	-2.6
Metalworking machinery	5,403	5,266	5,293	+2.6	-0.5	+0.5	5,452	5,200	5,299	5,214	+4.6
Computer and office equipment	11,874	11,682	11,455	+1.6	+2.0	+2.5	11,684	11,150	11,341	9,761	+19.7
Electronic and other electrical equipment	35,482	35,004	34,710	+1.4	+0.8	+1.2	35,953	34,871	34,628	32,621	+10.2
Electrical transmission and distribution equipment and industrial apparatus	4,274	4,268	4,239	+0.1	+0.7	-0.2	4,348	4,259	4,216	4,461	-2.5
Household appliances	2,572	2,577	2,624	-0.2	-1.8	-0.3	2,762	2,690	2,716	2,759	+0.1
Electric lighting and wiring equipment	2,948	2,972	2,983	-0.8	-0.4	+1.1	2,992	2,976	2,937	2,906	+3.0
Household audio and video equipment	1,062	1,051	1,037	+1.0	+1.4	+1.1	1,040	1,006	996	1,030	+1.0
Communications equipment	10,230	9,944	9,780	+2.9	+1.7	+4.7	10,384	9,867	9,767	8,203	+26.6
Electronic components	11,155	10,981	10,853	+1.6	+1.2	-0.7	11,144	10,886	10,808	9,873	+12.9
Transportation equipment	60,472	60,399	61,346	+0.1	-1.5	-0.9	60,470	60,516	61,795	65,573	-7.8
Motor vehicles and parts	11,643	11,654	11,636	-0.1	+0.2	+0.5	11,528	11,663	11,883	11,318	+1.9
Aircraft, missiles, space vehicles, and parts	44,661	44,569	45,577	+0.2	-2.2	-1.3	44,770	44,625	45,657	49,877	-10.2
Shipbuilding and tanks	1,627	1,632	1,587	-0.3	+2.8	+1.5	1,642	1,616	1,585	1,813	-9.4
Instruments and related products	21,796	21,816	22,004	-0.1	-0.9	+0.5	21,944	21,661	21,885	23,094	-5.0
Search and navigation equipment	5,687	5,661	5,756	+0.5	-1.7	+2.0	5,719	5,558	5,723	6,198	-7.7
Measuring and controlling devices	6,450	6,476	6,470	-0.4	+0.1	+0.3	6,489	6,470	6,446	6,696	-3.1
Medical instruments and supplies	6,137	6,134	6,128	0.0	+0.1	+0.1	6,149	6,087	6,095	6,362	-3.3
Photographic goods	2,726	2,746	2,845	-0.7	-3.5	-0.5	2,770	2,743	2,812	3,040	-8.9
All other durable goods	23,469	23,550	23,579	-0.3	-0.1	+1.0	23,573	23,772	23,807	21,756	+8.4
Nondurable goods industries	141,565	141,577	141,236	0.0	+0.2	+0.4	142,082	141,432	141,733	143,731	-1.1
With unfilled orders	33,332	33,303	33,241	+0.1	+0.2	+0.4	33,766	33,348	33,194	33,610	+0.5
Food and kindred products	30,434	30,357	30,030	+0.3	+1.1	-0.2	29,694	29,833	30,112	29,210	+1.7
Meat products	3,346	3,258	3,264	+2.7	-0.2	+0.2	3,443	3,304	3,321	3,128	+10.1
Dairy products	2,712	2,699	2,704	+0.5	-0.2	-0.4	2,753	2,631	2,606	2,793	-1.4
Beverages	5,317	5,319	5,369	0.0	-0.9	-0.5	5,349	5,306	5,353	5,370	-0.4
All other foods, except fats and oils	17,157	17,184	16,951	-0.2	+1.4	-0.3	16,196	16,616	17,021	16,419	-1.4
Tobacco products	5,993	6,104	5,912	-1.8	+3.2	-1.9	6,041	6,187	6,249	6,697	-9.8
Textile mill products	9,701	9,690	9,648	+0.1	+0.4	0.0	9,937	9,726	9,781	9,457	+5.1
Broadwoven fabrics and other textiles	5,434	5,406	5,403	+0.5	+0.1	+0.2	5,570	5,439	5,513	5,450	+2.2
Paper and allied products	13,464	13,459	13,463	0.0	0.0	+0.5	13,745	13,630	13,626	13,800	-0.4
Pulp, paper, and paperboard mill products	5,822	5,834	5,798	-0.2	+0.6	+0.1	5,921	5,921	5,877	5,724	+3.4
Paperboard containers and boxes	3,179	3,161	3,154	+0.6	+0.2	+3.5	3,214	3,201	3,201	3,272	-1.8
Miscellaneous converted paper products	4,463	4,464	4,511	0.0	-1.0	-0.9	4,610	4,508	4,548	4,804	-4.0
Chemicals and allied products	34,125	34,031	34,218	+0.3	-0.5	+0.7	34,472	34,379	34,701	35,240	-2.2
Industrial chemicals	16,099	16,061	16,311	+0.2	-1.5	-0.4	16,147	16,183	16,570	17,306	-6.7
Drugs, soaps, and toiletries	13,587	13,557	13,515	+0.2	+0.3	+1.9	13,696	13,444	13,383	13,368	+2.5
Petroleum and coal products	10,194	10,207	10,181	-0.1	+0.3	+2.0	10,156	9,992	9,858	11,740	-13.5
Rubber and plastics products	12,392	12,399	12,406	-0.1	-0.1	+0.8	12,538	12,573	12,599	12,108	+3.6
All other nondurable goods	25,262	25,330	25,378	-0.3	-0.2	+0.3	25,499	25,112	24,807	25,479	+0.1

[p] Preliminary. [r] Revised.

See note at end of table 2 relating to survey variability.

Table 5. VALUE OF MANUFACTURERS' SHIPMENTS AND NEW ORDERS FOR TOPICAL SERIES[1]
(Millions of dollars)

Industry	Seasonally adjusted						Not seasonally adjusted [2]						
	Monthly			Percent Change			Monthly				Percent change	Year to date	
	Apr. 1994[p]	Mar. 1994[r]	Feb. 1994	Mar.-Apr.	Feb.-Mar.	Jan.-Feb.	Apr. 1994[p]	Mar. 1994[r]	Feb. 1994	Apr. 1993	Apr. 94/93	1994[p]	1993
SHIPMENTS													
All manufacturing industries	273,720	274,497	271,815	-0.3	+1.0	+1.3	272,511	288,084	268,436	253,519	+7.5	1,070,209	1,002,392
Market categories :													
Automotive equipment	13,566	13,588	13,984	-0.2	-2.8	+1.1	14,585	14,561	14,795	12,620	+15.6	56,466	48,534
Home goods and apparel	18,971	18,952	18,232	+0.1	+3.9	+1.6	17,836	19,498	18,254	16,080	+10.9	71,169	66,116
Consumer staples	58,464	58,011	58,280	+0.8	-0.5	+1.0	56,169	59,071	56,036	54,718	+2.7	224,106	219,821
Machinery and equipment	47,875	48,649	48,043	-1.6	+1.3	+2.9	47,355	53,795	47,085	42,371	+11.8	188,235	168,253
Business supplies	20,483	20,464	20,115	+0.1	+1.7	+2.2	21,015	20,875	19,779	19,852	+5.9	79,815	76,718
Construction materials and supplies	17,722	17,778	17,427	-0.3	+2.0	+0.6	17,881	18,096	16,584	16,340	+9.4	67,524	62,213
Defense products	7,322	7,438	7,327	-1.6	+1.5	-3.3	6,904	7,815	7,032	7,275	-5.1	27,971	29,447
Other materials, supplies and and intermediate products	89,317	89,617	88,407	-0.3	+1.4	+0.9	90,766	94,373	88,871	84,263	+7.7	354,923	331,290
Durable goods industries :													
Nondefense capital goods [3]	35,844	36,431	35,792	-1.6	+1.8	+2.9	34,117	41,231	34,243	30,813	+10.7	138,480	125,313
Excluding aircraft and parts	31,215	30,898	31,091	+1.0	-0.6	+5.0	29,631	34,997	29,775	25,367	+16.8	119,340	103,883
Defense capital goods [4]	6,961	7,139	6,936	-2.5	+2.9	-4.1	6,466	7,467	6,584	6,988	-7.5	26,326	28,404
Durables excluding capital goods	103,690	103,818	103,532	-0.1	+0.3	+0.8	106,340	109,511	104,852	95,367	+11.5	413,667	370,764
Miscellaneous series :													
Producers' durable equipment	94,516	95,251	94,893	-0.8	+0.4	+1.9	94,779	104,113	95,049	84,596	+12.0	375,967	335,084
Household durable goods	7,977	7,884	7,694	+1.2	+2.5	+0.7	7,711	8,407	7,580	6,915	+11.5	30,259	28,074
Information technology industries	17,341	17,304	16,858	+0.2	+2.6	+2.4	15,381	19,642	15,506	12,875	+19.5	64,049	54,817
Health care equipment and products	8,493	8,494	8,241	0.0	+3.1	-0.1	8,167	8,897	8,041	7,771	+5.1	33,046	32,077
NEW ORDERS													
All manufacturing industries	274,402	274,691	271,786	-0.1	+1.1	-0.3	274,354	289,574	270,065	251,370	+9.1	1,083,948	1,001,398
Market categories :													
Automotive equipment	13,584	13,603	13,986	-0.1	-2.7	+1.0	14,609	14,559	14,821	12,609	+15.9	56,580	48,588
Home goods and apparel	19,022	19,134	18,241	-0.6	+4.9	+0.9	18,254	19,851	18,662	16,313	+11.9	73,387	68,245
Consumer staples	58,478	58,033	58,275	+0.8	-0.4	+1.1	56,181	59,083	56,004	54,703	+2.7	224,049	219,761
Machinery and equipment	47,548	48,085	48,189	-1.1	-0.2	-0.3	47,283	52,921	47,586	40,510	+16.7	190,292	161,056
Business supplies	20,505	20,590	20,192	-0.4	+2.0	+2.7	21,007	21,126	19,885	19,762	+6.3	80,110	76,698
Construction materials and supplies	17,815	18,135	17,529	-1.8	+3.5	+1.2	18,100	18,593	16,842	16,333	+10.8	68,579	62,939
Defense products	6,248	5,395	6,689	+15.8	-19.3	-21.6	5,280	6,532	5,929	6,385	-17.3	25,449	28,260
Other materials, supplies and and intermediate products	91,202	91,716	88,685	-0.6	+3.4	-0.5	93,640	96,909	90,336	84,755	+10.5	365,502	335,851
Durable goods industries :													
Nondefense capital goods [3]	35,791	36,127	36,382	-0.9	-0.7	-0.7	34,131	40,273	35,117	28,926	+18.0	141,171	117,085
Excluding aircraft and parts	32,853	33,080	32,031	-0.7	+3.3	+5.3	31,336	36,525	30,999	26,001	+20.5	125,498	105,335
Defense capital goods [4]	6,139	4,902	6,136	+25.2	-20.1	-20.7	5,262	6,059	5,351	6,034	-12.8	23,665	27,329
Durables excluding capital goods	104,821	105,877	103,364	-1.0	+2.4	-0.8	108,670	111,982	106,220	95,861	+13.4	424,005	377,819
Miscellaneous series :													
Producers' durable equipment	94,688	95,581	95,046	-0.9	+0.6	-0.2	95,392	104,121	95,664	82,968	+15.0	381,459	330,665
Household durable goods	7,841	7,912	7,628	-0.9	+3.7	+0.5	7,921	8,467	7,698	7,360	+7.6	31,313	29,458
Information technology industries	17,793	17,914	16,951	-0.7	+5.7	+3.5	15,959	20,216	15,652	13,524	+18.0	65,365	55,114
Health care equipment and products	8,316	8,315	8,064	0.0	+3.1	-4.2	7,990	8,719	7,863	7,638	+4.6	32,680	31,818

[p] Preliminary. [r] Revised.

[1] Topical series are regroupings of the separate industry categories.

[2] Shipments and new orders are the totals for the period and are adjusted for trading-day and calendar-month variations.

[3] Nondefense capital goods industries include : ordnance and accessories; steam, gas and hydraulic turbines; internal combustion engines; construction, mining, and mat l handling equipment; metalworking machinery; special industry machinery; general industrial machinery; computer and office equipment; refrigeration, heating and ser e industry machinery; electrical transmission and distribution equipment; electrical industrial apparatus; communications equipment; aircraft, missiles, space vehicles, and eng s and parts; ships and tank components; railroad equipment; and search and navigation equipment.

[4] Defense capital goods industries include : ordnance and accessories; communications equipment; aircraft, missiles, space vehicles, and engines and parts; ships, t s and tank components; and search and navigation equipment.

See note at end of table 2 relating to survey variability.

Table 6. VALUE OF MANUFACTURERS' UNFILLED ORDERS AND TOTAL INVENTORIES FOR TOPICAL SERIES[1]
(Millions of dollars)

Industry	Seasonally adjusted						Not seasonally adjusted				
	Monthly			Percent Change			Monthly				Percent change
	Apr. 1994[p]	Mar. 1994[r]	Feb. 1994	Mar.-Apr.	Feb.-Mar.	Jan.-Feb.	Apr. 1994[p]	Mar. 1994[r]	Feb. 1994	Apr. 1993	Apr. 94/93
UNFILLED ORDERS											
All manufacturing industries	447,080	446,398	446,204	+0.2	0.0	0.0	452,097	450,254	448,764	471,192	-4.1
Market categories :											
Automotive equipment	1,985	1,966	1,951	+1.0	+0.8	+0.1	2,016	1,992	1,994	1,639	+23.0
Home goods and apparel	10,459	10,408	10,225	+0.5	+1.8	+0.1	10,881	10,462	10,109	10,719	+1.5
Consumer staples	1,439	1,425	1,403	+1.0	+1.6	-0.4	1,419	1,407	1,395	1,379	+2.9
Machinery and equipment	181,661	181,989	182,553	-0.2	-0.3	+0.1	182,280	182,352	183,226	190,308	-4.2
Business supplies	5,624	5,602	5,476	+0.4	+2.3	+1.4	5,663	5,671	5,420	5,668	-0.1
Construction materials and supplies	14,732	14,639	14,282	+0.6	+2.5	+0.7	14,930	14,711	14,214	15,053	-0.8
Defense products	107,129	108,203	110,246	-1.0	-1.9	-0.6	108,387	110,011	111,294	122,149	-11.3
Other materials, supplies and and intermediate products	124,051	122,166	120,068	+1.5	+1.7	+0.2	126,521	123,648	121,112	124,277	+1.8
Durable goods industries :											
Nondefense capital goods [3]	199,662	199,715	200,019	0.0	-0.2	+0.3	200,028	200,014	200,972	208,956	-4.3
Excluding aircraft and parts	81,450	79,812	77,630	+2.1	+2.8	+1.2	81,816	80,111	78,583	71,712	+14.1
Defense capital goods [4]	113,078	113,900	116,137	-0.7	-1.9	-0.7	114,477	115,681	117,089	128,705	-11.1
Durables excluding capital goods	110,784	109,653	107,594	+1.0	+1.9	-0.2	113,490	111,160	108,689	110,216	+3.0
Miscellaneous series :											
Producers' durable equipment	210,573	210,401	210,071	+0.1	+0.2	+0.1	211,635	211,022	211,014	213,955	-1.1
Household durable goods	5,511	5,647	5,619	-2.4	+0.5	-1.2	5,889	5,679	5,619	5,810	+1.4
Information technology industries	33,484	33,032	32,422	+1.4	+1.9	+0.3	33,402	32,824	32,250	31,413	+6.3
Health care equipment and products	7,121	7,298	7,477	-2.4	-2.4	-2.3	7,121	7,298	7,476	8,192	-13.1
TOTAL INVENTORIES											
All manufacturing industries	380,672	379,772	380,068	+0.2	-0.1	+0.3	382,348	379,434	381,699	382,062	+0.1
Market categories :											
Automotive equipment	6,032	6,062	6,078	-0.5	-0.3	-0.5	6,026	6,157	6,314	6,211	-3.0
Home goods and apparel	30,678	30,778	30,822	-0.3	-0.1	+0.7	31,154	30,681	30,604	30,171	+3.3
Consumer staples	57,784	57,788	57,392	0.0	+0.7	+0.3	57,262	57,071	57,362	58,610	-2.3
Machinery and equipment	89,994	89,367	89,088	+0.7	+0.3	+0.5	90,537	89,073	89,778	88,659	+2.1
Business supplies	21,101	21,046	21,100	+0.3	-0.3	+0.5	21,285	21,071	21,064	21,766	-2.2
Construction materials and supplies	24,316	24,462	24,489	-0.6	-0.1	+0.3	24,638	24,861	24,764	23,694	+4.0
Defense products	24,594	24,543	25,187	+0.2	-2.6	-0.4	24,653	24,439	24,951	27,052	-8.9
Other materials, supplies and and intermediate products	126,173	125,726	125,912	+0.4	-0.1	+0.3	126,793	126,081	126,862	125,899	+0.7
Durable goods industries :											
Nondefense capital goods [3]	84,986	84,223	83,712	+0.9	+0.6	+0.5	85,480	83,622	84,092	83,324	+2.6
Excluding aircraft and parts	59,257	58,570	57,884	+1.2	+1.2	+1.4	59,637	57,862	57,876	54,847	+8.7
Defense capital goods [4]	25,682	25,590	26,482	+0.4	-3.4	-0.4	25,705	25,453	26,177	28,629	-10.2
Durables excluding capital goods	128,439	128,382	128,638	0.0	-0.2	+0.2	129,081	128,927	129,697	126,378	+2.1
Miscellaneous series :											
Producers' durable equipment	144,845	144,240	144,044	+0.4	+0.1	+0.7	145,682	143,955	144,945	142,662	+2.1
Household durable goods	13,574	13,616	13,722	-0.3	-0.8	+1.3	13,700	13,576	13,708	13,277	+3.2
Information technology industries	32,038	31,650	31,380	+1.2	+0.9	+2.3	32,075	31,012	31,183	28,759	+11.5
Health care equipment and products	13,515	13,496	13,467	+0.1	+0.2	+1.1	13,587	13,390	13,365	13,620	-0.2

See footnotes at end of table 5.

See note at end of table 2 relating to survey variability.

Table 7. VALUE OF MANUFACTURERS' INVENTORIES, BY STAGE OF FABRICATION, BY INDUSTRY GROUP
(Millions of dollars)

Industry	Seasonally adjusted						Not seasonally adjusted				
	Monthly			Percent Change			Monthly				Percent change
	Apr. 1994[p]	Mar. 1994[r]	Feb. 1994	Mar.-Apr.	Feb.-Mar.	Jan.-Feb.	Apr. 1994[p]	Mar. 1994[r]	Feb. 1994	Apr. 1993	Apr. 94/93
MATERIALS AND SUPPLIES											
All manufacturing industries	121,121	120,565	120,288	+0.5	+0.2	+0.6	120,760	119,957	120,655	120,339	+0.3
Durable goods industries	69,445	68,780	68,803	+1.0	0.0	+0.9	68,849	68,047	68,925	67,481	+2.0
Stone, clay, and glass products	2,582	2,586	2,542	-0.2	+1.7	-0.4	2,550	2,568	2,551	2,459	+3.7
Primary metals	5,901	5,918	5,865	-0.3	+0.9	+0.5	5,756	5,705	5,743	6,064	-5.1
Fabricated metal products	7,760	7,693	7,831	+0.9	-1.8	+0.3	7,648	7,687	7,857	7,554	+1.2
Industrial machinery and equipment	14,893	14,484	14,529	+2.8	-0.3	+2.7	14,872	14,264	14,682	14,232	+4.5
Electronic and other electrical equipment	11,424	11,251	11,070	+1.5	+1.6	+2.0	11,452	11,188	11,040	10,343	+10.7
Transportation equipment	10,862	10,819	10,963	+0.4	-1.3	-0.5	10,912	10,844	11,026	12,063	-9.5
Instruments and related products	6,725	6,710	6,679	+0.2	+0.5	-0.5	6,728	6,682	6,657	6,861	-1.9
Lumber, furniture and miscellaneous durable goods	9,298	9,319	9,324	-0.2	-0.1	+1.1	8,931	9,109	9,369	7,905	+13.0
Nondurable goods industries	51,676	51,785	51,485	-0.2	+0.6	+0.1	51,911	51,910	51,730	52,858	-1.8
Food and kindred products	9,895	9,968	9,915	-0.7	+0.5	-1.0	9,973	10,045	9,994	10,191	-2.1
Tobacco products	5,130	5,192	5,093	-1.2	+1.9	-0.2	5,172	5,310	5,368	5,287	-2.2
Textile mill products	2,760	2,756	2,669	+0.1	+3.3	+0.3	2,796	2,780	2,709	2,580	+8.4
Paper and allied products	6,638	6,668	6,599	-0.4	+1.0	+0.2	6,661	6,735	6,623	6,774	-1.7
Chemicals and allied products	11,232	11,202	11,260	+0.3	-0.5	+0.3	11,252	11,160	11,271	11,632	-3.3
Petroleum and coal products	2,978	2,954	2,949	+0.8	+0.2	+1.9	2,992	2,877	2,869	3,255	-8.1
Rubber and plastics products	4,563	4,572	4,544	-0.2	+0.6	+1.6	4,563	4,563	4,518	4,399	+3.7
Apparel, printing and publishing and leather goods	8,480	8,473	8,456	+0.1	+0.2	-0.3	8,502	8,440	8,378	8,740	-2.7
WORK IN PROCESS											
All manufacturing industries	128,186	128,492	128,583	-0.2	-0.1	-0.4	128,493	128,449	128,564	129,563	-0.8
Durable goods industries	104,986	105,075	105,305	-0.1	-0.2	-0.4	105,143	105,070	105,359	106,279	-1.1
Stone, clay, and glass products	1,075	1,041	1,064	+3.3	-2.2	+0.9	1,125	1,089	1,093	1,182	-4.8
Primary metals	7,237	7,272	7,325	-0.5	-0.7	+0.1	7,276	7,309	7,348	7,049	+3.2
Fabricated metal products	7,344	7,435	7,501	-1.2	-0.9	+0.1	7,333	7,489	7,578	7,662	-4.3
Industrial machinery and equipment	18,931	19,033	18,506	-0.5	+2.8	-0.9	18,792	18,820	18,184	17,219	+9.1
Electronic and other electrical equipment	14,542	14,469	14,324	+0.5	+1.0	+0.8	14,724	14,460	14,343	13,760	+7.0
Transportation equipment	41,643	41,546	42,287	+0.2	-1.8	-1.7	41,586	41,724	42,530	44,852	-7.3
Instruments and related products	9,227	9,265	9,377	-0.4	-1.2	+2.0	9,258	9,133	9,329	10,003	-7.4
Lumber, furniture and miscellaneous durable goods	4,987	5,014	4,921	-0.5	+1.9	+2.2	5,049	5,046	4,954	4,552	+10.9
Nondurable goods industries	23,200	23,417	23,278	-0.9	+0.6	-0.3	23,350	23,379	23,205	23,284	+0.3
Food and kindred products	4,019	4,002	3,938	+0.4	+1.6	-2.8	3,882	4,013	3,989	3,607	+7.6
Tobacco products	193	179	163	+7.8	+9.8	0.0	157	162	173	135	+16.3
Textile mill products	2,561	2,607	2,621	-1.8	-0.5	-1.0	2,586	2,604	2,632	2,492	+3.8
Paper and allied products	1,184	1,178	1,161	+0.5	+1.5	-0.9	1,209	1,187	1,160	1,244	-2.8
Chemicals and allied products	5,436	5,652	5,644	-3.8	+0.1	+2.3	5,505	5,574	5,649	5,663	-2.8
Petroleum and coal products	2,242	2,280	2,268	-1.7	+0.5	+0.7	2,277	2,262	2,186	2,823	-19.3
Rubber and plastics products	1,767	1,765	1,773	+0.1	-0.5	-0.6	1,767	1,747	1,800	1,688	+4.7
Apparel, printing and publishing and leather goods	5,798	5,754	5,710	+0.8	+0.8	-0.9	5,967	5,830	5,616	5,632	+5.9
FINISHED GOODS											
All manufacturing industries	131,365	130,715	131,197	+0.5	-0.4	+0.8	133,095	131,028	132,480	132,160	+0.7
Durable goods industries	64,676	64,340	64,724	+0.5	-0.6	+0.7	66,274	64,885	65,682	64,571	+2.6
Stone, clay, and glass products	3,891	3,919	3,906	-0.7	+0.3	-1.1	4,053	4,045	4,062	4,290	-5.5
Primary metals	6,383	6,362	6,357	+0.3	+0.1	+0.4	6,482	6,387	6,447	6,006	+7.9
Fabricated metal products	7,829	7,722	7,812	+1.4	-1.2	+0.9	8,158	7,903	7,869	8,183	-0.3
Industrial machinery and equipment	14,062	13,961	13,955	+0.7	0.0	+1.1	14,281	13,916	14,437	13,387	+6.7
Electronic and other electrical equipment	9,516	9,284	9,316	+2.5	-0.3	+0.7	9,777	9,223	9,245	8,518	+14.8
Transportation equipment	7,967	8,034	8,096	-0.8	-0.8	+2.9	7,972	7,948	8,239	8,658	-7.9
Instruments and related products	5,844	5,841	5,948	+0.1	-1.8	-0.6	5,958	5,846	5,899	6,230	-4.4
Lumber, furniture and miscellaneous durable goods	9,184	9,217	9,334	-0.4	-1.3	+0.3	9,593	9,617	9,484	9,299	+3.2
Nondurable goods industries	66,689	66,375	66,473	+0.5	-0.1	+0.8	66,821	66,143	66,798	67,589	-1.1
Food and kindred products	16,520	16,387	16,177	+0.8	+1.3	+1.0	15,839	15,775	16,129	15,412	+2.8
Tobacco products	670	733	656	-8.6	+11.7	-13.9	712	715	708	1,275	-44.2
Textile mill products	4,380	4,327	4,358	+1.2	-0.7	+0.3	4,555	4,342	4,440	4,385	+3.9
Paper and allied products	5,642	5,613	5,703	+0.5	-1.6	+1.2	5,875	5,708	5,843	5,782	+1.6
Chemicals and allied products	17,457	17,177	17,314	+1.6	-0.8	+0.4	17,715	17,645	17,781	17,945	-1.3
Petroleum and coal products	4,974	4,973	4,964	0.0	+0.2	+2.6	4,887	4,853	4,803	5,662	-13.7
Rubber and plastics products	6,062	6,062	6,089	0.0	-0.4	+0.7	6,208	6,263	6,281	6,021	+3.1
Apparel, printing and publishing and leather goods	10,984	11,103	11,212	-1.1	-1.0	+1.3	11,030	10,842	10,813	11,107	-0.7

[p] Preliminary. [r] Revised.

See note at end of table 2 relating to survey variability.

Table 8. RATIOS OF MANUFACTURES' INVENTORIES TO SHIPMENTS AND UNFILLED ORDERS TO SHIPMENTS, BY INDUSTRY GROUP
(Based on seasonally adjusted data)

Industry	Inventory / Shipments ratio				Unfilled Orders / Shipments ratio[1]			
	Apr. 1994[p]	Mar. 1994[r]	Feb. 1994	Jan. 1994	Apr. 1994[p]	Mar. 1994[r]	Feb. 1994	Jan. 1994
All manufacturing industries	1.39	1.38	1.40	1.41	3.05	3.03	3.07	3.11
Durable goods industries	1.63	1.62	1.63	1.65	3.65	3.63	3.69	3.73
Stone, clay, and glass products	1.12	1.13	1.19	1.21	1.20	1.18	1.25	1.26
Primary metals	1.60	1.60	1.61	1.65	1.98	1.97	1.90	1.92
Fabricated metal products	1.53	1.52	1.56	1.54	1.45	1.45	1.44	1.43
Industrial machinery and equipment	1.82	1.79	1.78	1.86	2.34	2.27	2.22	2.29
Electronic and other electrical equipment	1.61	1.63	1.63	1.63	2.14	2.15	2.16	2.20
Transportation equipment	1.60	1.55	1.58	1.59	11.52	10.95	11.47	11.23
Instruments and related products	2.01	2.02	2.03	2.03	4.55	4.62	4.67	4.71
Nondurable goods industries	1.11	1.11	1.12	1.14	0.77	0.76	0.74	0.74
Food and kindred products	0.87	0.84	0.84	0.86	(X)	(X)	(X)	(X)
Tobacco products	1.80	2.77	1.84	1.78	(X)	(X)	(X)	(X)
Textile mill products	1.62	1.58	1.60	1.65	(NA)	(NA)	(NA)	(NA)
Paper and allied products	1.24	1.24	1.24	1.26	(NA)	(NA)	(NA)	(NA)
Chemicals and allied products	1.23	1.23	1.28	1.28	(X)	(X)	(X)	(X)
Petroleum and coal products	0.86	0.87	0.88	0.90	(X)	(X)	(X)	(X)
Rubber and plastics products	1.34	1.33	1.38	1.39	(X)	(X)	(X)	(X)

[p] Preliminary. [r] Revised. (X) Not applicable. (NA) Not available.

[1] Excludes the following industries with no unfilled orders : Wood and lumber products; glass containers; metal cans, barrels and drums; farm and garden machinery; motor vehicle assembly operations; other transportation equipment; foods and related products; tobacco; knitting mill products; apparel and related products; chemicals; petroleum and coal products; and rubber and plastics products.

Table 9. REVISIONS TO PREVIOUSLY PUBLISHED MONTHLY PERCENT CHANGES
(Based on seasonally adjusted data)

Industry	Shipments			New orders			Unfilled orders			Inventories		
	Apr.[1] 1994	Apr.[2] 1989-1993	Apr. 1993-Mar. 1994	Apr.[1] 1994	Apr.[2] 1989-1993	Apr. 1993-Mar. 1994	Apr.[1] 1994	Apr.[2] 1989-1993	Apr. 1993-Mar. 1994	Apr.[1] 1994	Apr.[2] 1989-1993	Apr. 1993-Mar. 1994
All manufacturing industries	(X)	0.1	0.2	(X)	0.2	0.2	(X)	0.0	0.1	(X)	0.0	0.1
Durable goods industries	0.0	0.2	0.3	-0.2	0.3	0.3	0.0	0.0	0.1	(X)	0.1	0.1
Stone, clay, and glass products	(X)	1.3	0.5	(X)	1.9	1.0	(X)	0.9	0.6	(X)	0.1	0.1
Primary metals	0.0	0.2	0.3	0.0	1.6	1.0	0.0	0.4	0.4	(X)	0.2	0.1
Fabricated metal products	(X)	0.5	0.4	(X)	0.6	0.4	(X)	0.2	0.4	(X)	0.1	0.4
Industrial machinery and equipment	0.4	0.6	0.5	0.0	0.9	0.6	-0.3	0.1	0.1	(X)	0.1	0.1
Electronic and other electrical equipment	-0.1	0.3	0.2	0.1	0.7	0.5	0.1	0.1	0.2	(X)	0.1	0.1
Transportation equipment	-0.2	0.3	0.4	-0.1	0.6	0.9	0.0	0.0	0.1	(X)	0.1	0.1
Instruments and related products	(X)	0.2	0.2	(X)	0.6	2.3	(X)	0.1	0.5	(X)	0.1	0.2
Nondurable goods industries	(X)	0.1	0.2	(X)	0.1	0.1	(X)	0.5	0.4	(X)	0.0	0.1
Food and kindred products	(X)	0.1	0.2	(X)	(X)	(X)	(X)	(X)	(X)	(X)	0.2	0.1
Tobacco products	(X)	0.3	0.1	(X)	(X)	(X)	(X)	(X)	(X)	(X)	0.1	0.1
Textile mill products	(X)	0.7	0.3	(X)	(NA)	(NA)	(X)	(NA)	(NA)	(X)	0.3	0.2
Paper and allied products	(X)	0.4	0.2	(X)	(NA)	(NA)	(X)	(NA)	(NA)	(X)	0.2	0.1
Chemicals and allied products	(X)	0.2	0.2	(X)	(X)	(X)	(X)	(X)	(X)	(X)	0.1	0.1
Petroleum and coal products	(X)	0.3	0.3	(X)	(X)	(X)	(X)	(X)	(X)	(X)	0.2	0.3
Rubber and plastics products	(X)	0.8	0.2	(X)	(X)	(X)	(X)	(X)	(X)	(X)	0.3	0.2
Capital goods industries :												
Nondefense	0.1	0.4	0.5	0.0	0.7	0.8	0.0	0.0	0.1	(X)	0.1	0.1
Defense	0.5	0.5	0.5	1.9	2.7	5.3	0.0	0.1	0.3	(X)	0.0	0.2

(X) Not applicable. (NA) Not available.

Note : The five year and the twelve month revisions are the differences between the month-to-month percent changes of the preliminary and final estimates. The monthly averages are the simple averages of the absolute values of the differences for the months specified. The advance to final percent change revisions for the durable goods industries are shown in the advance report for the month.

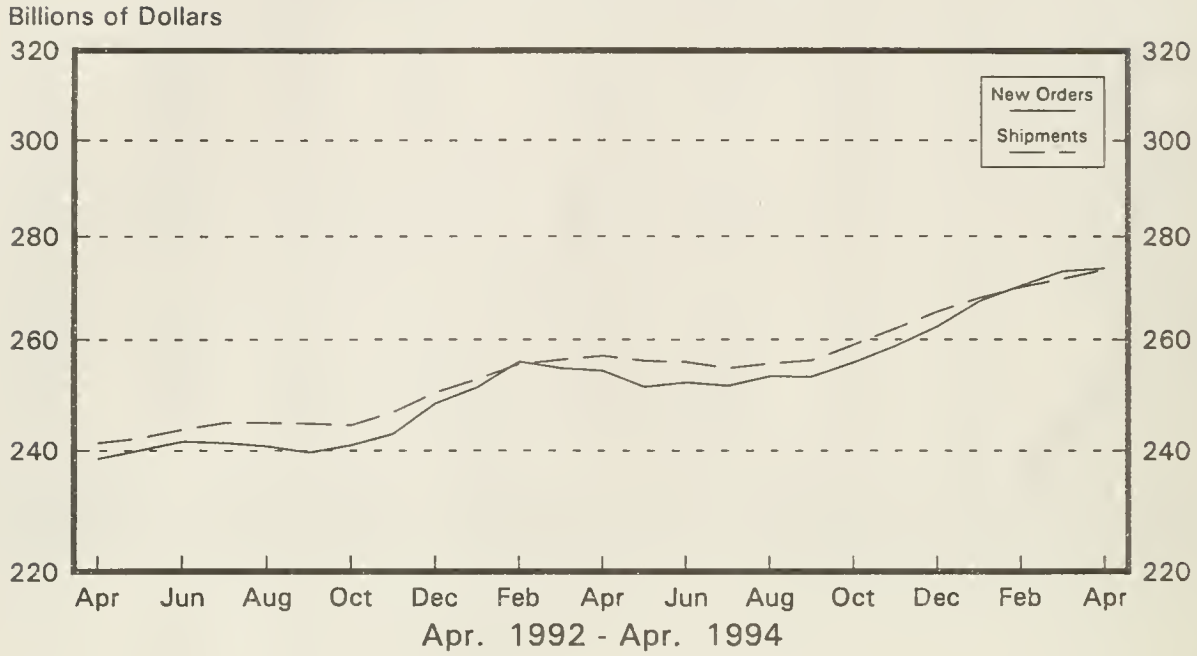
[1] The current month revisions are the difference between the advance percent change and the percent change as shown in this publication.

[2] Average for this month for the last five years.

See note at end of table 2 relating to survey variability.

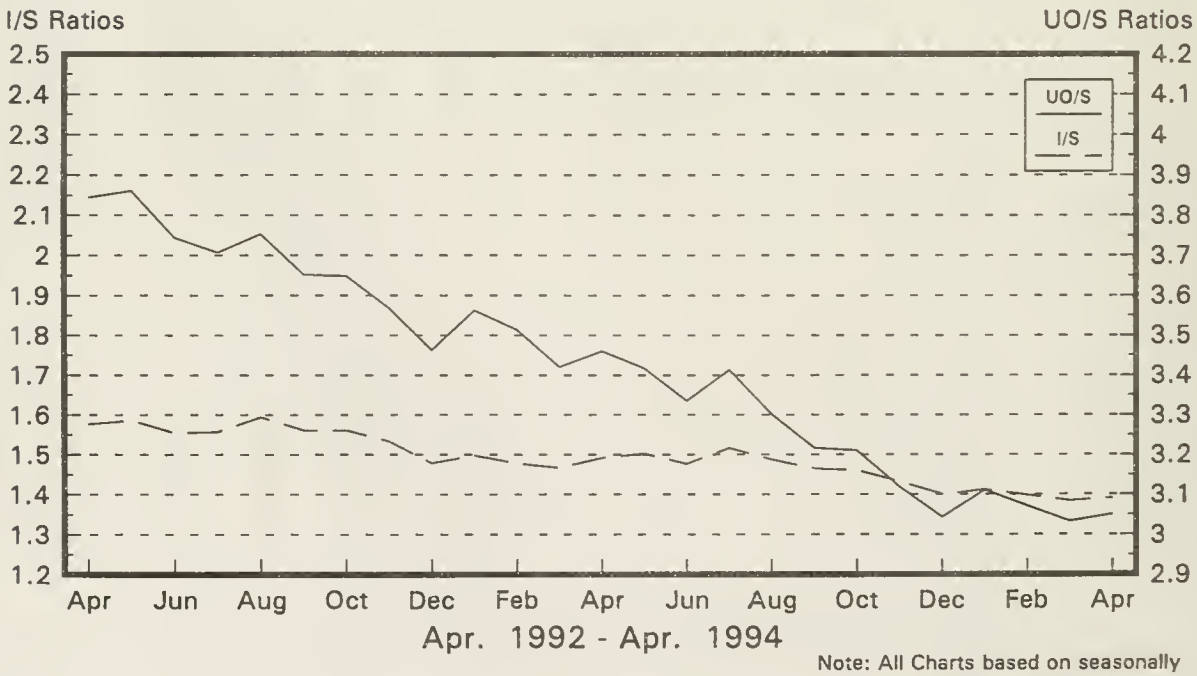
Total Manufacturing

New Orders and Shipments
Three Month Moving Averages



Total Manufacturing

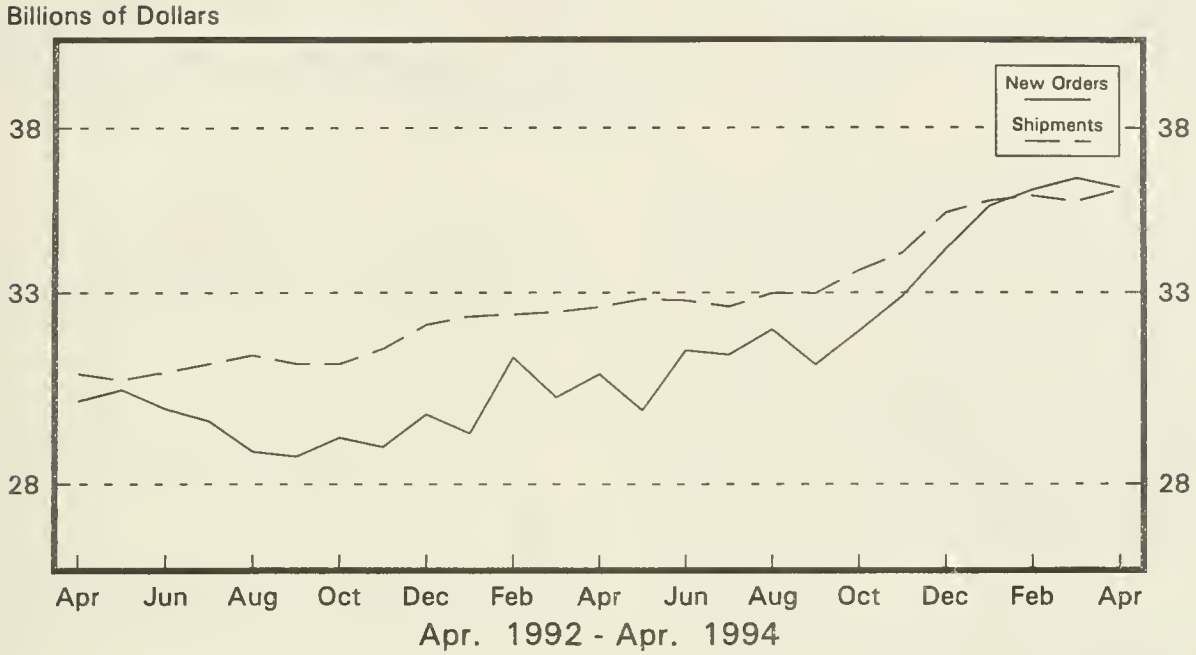
Ratio of Unfilled Orders and
Inventories to Shipments



Note: All Charts based on seasonally adjusted current dollars.

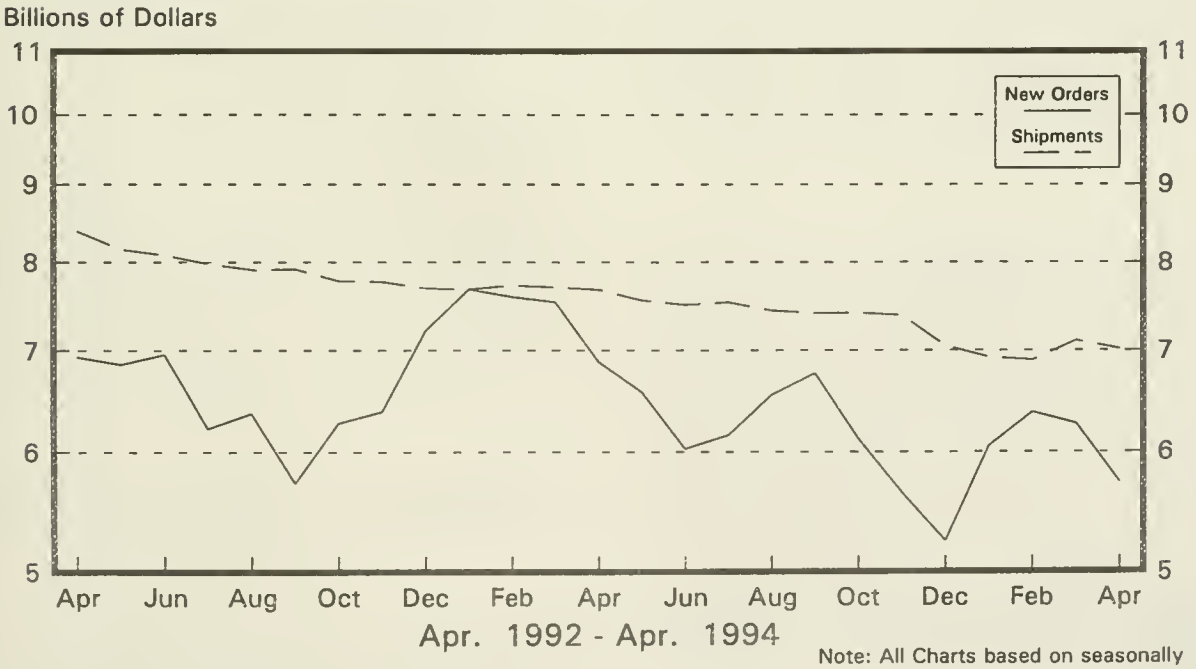
Nondefense Capital Goods

New Orders and Shipments
Three Month Moving Averages



Defense Capital Goods

New Orders and Shipments
Three Month Moving Averages



Note: All Charts based on seasonally adjusted current dollars.

U.S. Department of Commerce
BUREAU OF THE CENSUS
Washington, D.C. 20233

Official Business

Penalty for Private Use, $300

U.S.MAIL

POSTAGE AND FEES
U S DEPARTMENT OF COMM

COM-

First Class Mail

C 3.158:M 3-1-(94)-05

Current Industrial Reports, Manufac...

Manufacturers' Shipments, Inventories, and Orders

DEPOSITORY
AUG 18 1994
BOSTON PUBLIC LIBRARY
GOVERNMENT DOCUMENTS DEPARTMENT

. S. Department of Commerce
conomics and Statistics Administration
UREAU OF THE CENSUS

May 1994
M3-1-(94)-05
For Wire Transmissions 10:00 a.m. E.D.T. June 30, 1994

Steve Andrews or Gloria Cable
301)763-2502 or (301)763-2575

Note: All figures in text are in seasonally adjusted current dollars

Summary

New orders for manufactured goods in May increased 1.6 billion or 0.6 percent to $276.8 billion, the Department of Commerce, Bureau of the Census reported today. This ollows a 0.2 percent April increase. Year-to-date new rders for 1994 are 8.4 percent above the same period a ear ago.

Shipments increased $1.4 billion or 0.5 percent to 275.7 billion, following a 0.1 percent decrease in April. his is the third increase in the last four months. Year-to-late shipments for 1994 are 6.8 percent above the same eriod a year ago.

Unfilled orders increased $1.1 billion or 0.3 percent to 448.5 billion, the fourth increase in the last five months. he unfilled orders-to-shipments ratio decreased from 3.04 April to 3.01 in May, the lowest in nearly thirty years.

Inventories increased $1.9 billion or 0.5 percent to 382.6 billion, following a 0.2 percent increase in April. This the fourth increase in the last five months. The nventories-to-shipments ratio remained at 1.39 in May.

lew Orders

New orders for durable goods in May increased $1.6 illion or 1.1 percent to $148.9 billion, following a 0.3 ercent increase in April. This is the third consecutive onthly increase and the ninth in the last ten months.

All major groups except industrial machinery and quipment, electronic and other electrical equipment, and one, clay, and glass products increased. Transportation quipment had the largest increase, up $0.8 billion or 2.1 ercent to $36.7 billion, as an increase in aircraft and parts ore than offset declines in railroad equipment and motor hicles and parts. Primary metals increased $0.7 billion or 3 percent to $13.3 billion, following a 5.1 percent decrease April. Electronic and other electrical equipment had the rgest decrease, down $1.1 billion or 4.9 percent to $22.2 illion, primarily due to communications equipment and ectronic components. This follows an 8.7 percent increase April.

New orders for nondurable goods remained at $127.9 illion as increases, led by paper and allied products, offset ecreases, led by tobacco products. This follows six onsecutive monthly increases.

hipments

Shipments of durable goods in May increased $1.3 illion or 0.9 percent to $148.2 billion, the third increase in e last four months. All major groups except transportation equipment increased. Industrial machinery and equipment had the largest increase, up $0.5 billion or 2.0 percent to $26.9 billion, with increases in nearly all categories. Primary metals increased $0.4 billion or 3.0 percent to $12.7 billion, the fourth consecutive monthly increase. Transportation equipment decreased $0.5 billion or 1.2 percent to $37.4 billion, following a 2.5 percent decline in April.

Shipments of nondurable goods increased $0.1 billion or 0.1 percent to $127.5 billion, the seventh consecutive monthly increase. The largest increases were in chemicals and allied products, up $0.3 billion or 1.0 percent to $28.1 billion, and paper and allied products, up $0.3 billion or 2.5 percent to $11.2 billion. Tobacco products had the largest decrease, down $0.6 billion or 18.2 percent to $2.6 billion.

Unfilled Orders

Unfilled orders for durable goods in May increased $0.7 billion or 0.2 percent to $424.4 billion, the second consecutive monthly increase. Industrial machinery and equipment, up for the eleventh consecutive month, had the largest increase, up $1.1 billion or 1.9 percent to $58.7 billion, with nearly half the increase in computer and office equipment. Primary metals increased $0.6 billion or 2.4 percent to $24.9 billion, the sixth consecutive monthly increase. Transportation equipment decreased $0.7 billion or 0.3 percent to $209.1 billion, primarily due to shipbuilding and tanks. This is the twenty-fourth decrease in the last twenty-five months. Instruments and related products decreased $0.7 billion or 1.5 percent to $48.5 billion, the twelfth decline in the last thirteen months. Unfilled orders for nondurable goods increased $0.4 billion or 1.7 percent to $24.1 billion, the seventh increase in a row.

Inventories

Inventories for durable goods in May increased $1.5 billion or 0.6 percent to $240.7 billion, the fourth increase in the last five months. Electronic and other electrical equipment had the largest increase, up $0.6 billion or 1.6 percent to $36.1 billion, the seventeenth increase in the last nineteen months. Transportation equipment increased $0.5 billion or 0.8 percent to $61.0 billion, primarily due to motor vehicles and parts. Industrial machinery and equipment increased $0.3 billion or 0.6 percent to $48.2 billion, the fourteenth consecutive monthly increase. Nondurable goods inventories increased $0.4 billion or 0.3 percent to $141.8 billion, the third increase in the last four months.

By stage of fabrication, finished goods increased 0.4 percent in durables and were unchanged in nondurables. Work in process increased 0.7 percent in both durables and nondurables. Materials and supplies increased 0.8 percent in durables and 0.5 percent in nondurables.

---

e advance report on durable goods for June is scheduled for July 27, 1994 at 8:30 a.m. and the full report on August 3, 1994 at 10:00 a.m. For sale by the perintendent of Documents, U.S. Government Printing Office, Washington, DC 20402. This report is also available the day of issue through the Department Commerce's online Economic Bulletin Board (N-8-1) (202-482-3870) and through the Census Bureau's online information service—CENDATA. CENDATA vailable from Dialog Information Services, Inc. (1-800-334-2564) and CompuServe (1-800-848-8199). The CENDATA staff at the Bureau of the Census (301-2074) can provide content information and general guidance.

Table 1. VALUE OF MANUFACTURERS' SHIPMENTS FOR INDUSTRY GROUPS
(Millions of dollars)

Industry	Seasonally adjusted						Not seasonally adjusted[1]						
	Monthly			Percent Change			Monthly				Percent change	Year to date	
	May 1994[p]	Apr. 1994[r]	Mar. 1994	Apr.-May	Mar.-Apr.	Feb.-Mar.	May 1994[p]	Apr. 1994[r]	Mar. 1994	May 1993	May 94/93	1994[p]	1993
All manufacturing industries	275,682	274,243	274,497	+0.5	-0.1	+1.0	278,633	272,953	288,084	256,332	+8.7	1,349,284	1,258,72
Manufacturing Industries													
with unfilled orders	148,877	147,154	147,199	+1.2	0.0	+1.3	147,937	144,619	156,417	134,261	+10.2	719,279	663,46
without defense capital goods	268,906	267,291	267,358	+0.6	0.0	+0.9	272,134	266,482	280,617	249,143	+9.2	1,316,454	1,223,13
Durable goods industries	148,223	146,932	147,388	+0.9	-0.3	+0.8	151,092	147,235	158,209	134,897	+12.0	729,877	659,37
With unfilled orders	117,679	116,404	116,630	+1.1	-0.2	+1.4	117,188	114,154	125,405	105,404	+11.2	569,425	519,30
Stone, clay, and glass products	6,689	6,664	6,681	+0.4	-0.3	+5.6	6,831	6,868	6,578	5,837	+17.0	31,342	27,04
Primary metals	12,664	12,292	12,243	+3.0	+0.4	+0.8	12,984	12,594	12,778	11,409	+13.8	61,922	57,68
Blast furnaces, steel mills	5,709	5,555	5,522	+2.8	+0.6	-1.7	5,852	5,682	5,785	5,287	+10.7	28,236	26,20
Iron and steel foundries	1,160	1,158	1,188	+0.2	-2.5	+2.0	1,238	1,225	1,250	1,043	+18.7	5,961	5,26
Nonferrous and other primary metals	5,795	5,579	5,533	+3.9	+0.8	+3.2	5,894	5,687	5,743	5,079	+16.0	27,725	26,21
Fabricated metal products	15,015	14,981	15,082	+0.2	-0.7	+1.5	15,284	14,938	15,955	14,445	+5.8	74,401	69,25
Industrial machinery and equipment	26,928	26,396	26,513	+2.0	-0.4	+0.6	26,649	25,836	30,651	23,026	+15.7	130,130	113,98
Engines and turbines	1,742	1,700	1,752	+2.5	-3.0	+0.9	1,731	1,629	2,025	1,478	+17.1	8,289	7,14
Farm and garden machinery	1,819	1,740	1,852	+4.5	-6.0	+10.7	2,207	2,314	2,408	1,795	+23.0	10,303	8,65
Construction, mining and material handling equipment	2,665	2,595	2,607	+2.7	-0.5	-2.0	2,774	2,721	2,865	2,568	+8.0	13,446	12,48
Metalworking machinery	2,896	2,840	2,720	+2.0	+4.4	+1.5	2,922	2,642	2,979	2,579	+13.3	13,346	12,47
Computer and office equipment	7,200	7,189	7,361	+0.2	-2.3	+3.5	6,163	5,827	8,986	5,201	+18.5	32,443	27,45
Electronic and other electrical equipment	22,314	22,138	21,431	+0.8	+3.3	+0.7	21,867	21,225	22,657	18,435	+18.6	105,289	89,59
Electrical transmission and distribution equipment and industrial apparatus	2,565	2,562	2,568	+0.1	-0.2	-0.8	2,577	2,574	2,798	2,371	+8.7	12,841	11,79
Household appliances	1,882	1,881	1,840	+0.1	+2.2	+1.7	1,923	1,932	1,991	1,637	+17.5	9,020	7,83
Electric lighting and wiring equipment	1,764	1,777	1,732	-0.7	+2.6	-0.3	1,768	1,710	1,831	1,674	+5.6	8,619	8,20
Household audio and video equipment	1,068	1,018	951	+4.9	+7.0	-4.0	867	818	904	722	+20.1	4,304	3,9
Communications equipment	4,805	4,945	4,670	-2.8	+5.9	+3.6	4,615	4,607	5,064	3,654	+26.3	22,180	17,3
Electronic components	7,928	7,621	7,613	+4.0	+0.1	+3.8	7,944	7,514	7,969	6,546	+21.4	37,772	31,6
Transportation equipment	37,402	37,867	38,852	-1.2	-2.5	+0.2	40,244	39,739	41,840	36,797	+9.4	196,379	179,2
Motor vehicles and parts	26,719	26,851	26,777	-0.5	+0.3	-3.1	29,893	28,940	28,774	25,065	+19.3	142,170	120,8
Aircraft, missiles, space vehicles, and parts	7,982	8,259	9,537	-3.4	-13.4	+12.6	7,600	7,880	10,315	9,335	-18.6	41,004	46,2
Shipbuilding and tanks	1,075	1,017	902	+5.7	+12.7	-12.8	1,043	972	942	931	+12.0	4,726	4,7
Instruments and related products	10,988	10,899	10,803	+0.8	+0.9	-0.6	10,918	10,360	11,436	10,480	+4.2	52,653	51,3
Search and navigation equipment	2,506	2,522	2,360	-0.6	+6.9	-8.4	2,466	2,284	2,509	2,691	-8.4	11,808	12,9
Measuring and controlling devices	3,164	3,134	3,206	+1.0	-2.2	+4.1	3,164	3,032	3,495	2,904	+9.0	15,553	14,1
Medical instruments and supplies	2,962	2,931	2,960	+1.1	-1.0	+0.7	2,888	2,841	3,145	2,716	+6.3	14,442	14,1
Photographic goods	1,977	1,943	1,923	+1.7	+1.0	-0.3	2,009	1,834	1,911	1,828	+9.9	9,071	8,4
All other durable goods	16,223	15,695	15,783	+3.4	-0.6	+0.9	16,315	15,675	16,314	14,468	+12.8	77,761	71,2
Nondurable goods industries	127,459	127,311	127,109	+0.1	+0.2	+1.2	127,541	125,718	129,875	121,435	+5.0	619,407	599,3
With unfilled orders	31,198	30,750	30,569	+1.5	+0.6	+0.8	30,749	30,465	31,012	28,857	+6.6	149,854	144,1
Food and kindred products	34,805	34,890	35,987	-0.2	-3.0	+0.9	35,192	33,898	36,861	34,023	+3.4	172,790	165,9
Meat products	7,743	7,890	8,026	-1.9	-1.7	-1.5	8,029	7,749	8,009	8,258	-2.8	39,253	38,5
Dairy products	4,612	4,578	4,805	+0.7	-4.7	+1.9	4,718	4,532	4,868	4,576	+3.1	22,859	21,7
Beverages	5,157	5,170	5,211	-0.3	-0.8	+1.3	5,647	5,134	5,183	5,342	+5.7	24,865	23,2
All other foods, except fats and oils	15,483	15,527	16,045	-0.3	-3.2	+1.7	14,988	14,758	16,901	14,180	+5.7	76,661	73,8
Tobacco products	2,627	3,212	2,203	-18.2	+45.8	-31.5	2,651	2,703	2,671	2,842	-6.7	13,284	12,5
Textile mill products	6,171	6,046	6,131	+2.1	-1.4	+1.7	6,182	5,869	6,373	5,812	+6.4	29,327	28,3
Broadwoven fabrics and other textiles	3,815	3,714	3,811	+2.7	-2.5	+2.0	3,918	3,635	4,025	3,689	+6.2	18,430	18,0
Paper and allied products	11,166	10,894	10,863	+2.5	+0.3	-0.1	11,095	10,667	11,096	10,728	+3.4	53,974	53,6
Pulp, paper, and paperboard mill products	4,394	4,248	4,271	+3.4	-0.5	-0.4	4,381	4,149	4,361	4,355	+0.6	21,283	21,6
Paperboard containers and boxes	2,894	2,872	2,793	+0.8	+2.8	+1.5	2,929	2,922	2,822	2,677	+9.4	13,945	13,2
Miscellaneous converted paper products	3,878	3,774	3,799	+2.8	-0.7	-1.0	3,785	3,596	3,913	3,696	+2.4	18,746	18,6
Chemicals and allied products	28,072	27,792	27,723	+1.0	+0.2	+4.0	28,492	28,983	29,346	25,920	+9.9	138,572	131,0
Industrial chemicals	14,638	14,256	14,162	+2.7	+0.7	+2.6	14,945	14,721	14,782	13,476	+10.9	71,385	67,7
Drugs, soaps, and toiletries	10,213	10,229	10,193	-0.2	+0.4	+4.4	9,427	9,763	10,593	8,623	+9.3	48,961	46,7
Petroleum and coal products	11,717	11,880	11,712	-1.4	+1.4	+1.0	12,036	11,586	10,618	13,139	-8.4	54,547	61,5
Rubber and plastics products	9,434	9,300	9,296	+1.4	0.0	+3.5	9,692	9,514	9,773	8,765	+10.6	46,299	43,4
All other nondurable goods	23,467	23,297	23,194	+0.7	+0.4	+2.9	22,201	22,498	23,137	20,206	+9.9	110,614	102,8

[p] Preliminary. [r] Revised.

[1] Shipments and new orders are the totals for the period and are adjusted for trading-day and calendar-month variations.

See note at end of table 2 relating to survey variability.

Table 2. VALUE OF MANUFACTURERS' NEW ORDERS FOR INDUSTRY GROUPS
(Millions of dollars)

Industry	Seasonally adjusted						Not seasonally adjusted[1]						
	Monthly			Percent Change			Monthly				Percent change	Year to date	
	May 1994[p]	Apr. 1994[r]	Mar. 1994	Apr.-May	Mar.-Apr.	Feb.-Mar.	May 1994[p]	Apr. 1994[r]	Mar. 1994	May 1993	May 94/93	1994[p]	1993
All manufacturing industries	276,812	275,182	274,691	+0.6	+0.2	+1.1	279,054	274,600	289,574	250,090	+11.6	1,363,248	1,251,488
lanufacturing industries with unfilled orders	150,007	148,093	147,393	+1.3	+0.5	+1.5	148,358	146,266	157,907	128,019	+15.9	733,243	656,228
without defense capital goods	269,845	268,902	269,789	+0.4	-0.3	+1.6	272,995	269,416	283,515	245,793	+11.1	1,333,602	1,219,862
urable goods industries	148,945	147,345	146,906	+1.1	+0.3	+0.7	150,957	148,187	158,314	128,752	+17.2	739,922	650,985
With unfilled orders	118,401	116,817	116,148	+1.4	+0.6	+1.3	117,053	115,106	125,510	99,259	+17.9	579,470	510,913
tone, clay, and glass products	6,702	6,820	6,666	-1.7	+2.3	+4.5	7,021	7,216	6,495	6,214	+13.0	32,259	28,274
rimary metals	13,251	12,581	13,259	+5.3	-5.1	+6.0	13,443	12,715	14,607	10,946	+22.8	66,349	60,727
Blast furnaces, steel mills	5,750	5,790	5,766	-0.7	+0.4	+0.7	5,666	5,823	6,257	5,041	+12.4	29,800	28,580
Iron and steel foundries	1,261	1,166	1,300	+8.1	-10.3	+2.8	1,354	1,175	1,434	1,063	+27.4	6,388	5,334
Nonferrous and other primary metals	6,240	5,625	6,193	+10.9	-9.2	+12.1	6,423	5,717	6,916	4,842	+32.7	30,161	26,813
abricated metal products	15,196	14,960	15,514	+1.6	-3.6	+4.1	15,362	14,841	16,542	14,111	+8.9	74,916	68,644
ndustrial machinery and equipment	28,005	28,012	27,827	0.0	+0.7	+2.6	27,794	27,380	31,311	23,211	+19.7	136,182	114,687
Engines and turbines	1,823	1,647	1,678	+10.7	-1.8	-8.9	1,734	1,380	1,731	1,309	+32.5	7,675	6,543
Construction, mining and material handling equipment	2,736	2,808	2,794	-2.6	+0.5	-1.7	2,759	2,885	3,061	2,647	+4.2	14,167	12,721
Metalworking machinery	2,973	3,006	3,180	-1.1	-5.5	+10.2	2,999	2,808	3,439	2,355	+27.3	14,778	11,808
Computer and office equipment	7,703	7,728	7,732	-0.3	-0.1	+10.7	7,224	6,489	9,300	5,882	+22.8	34,497	28,141
lectronic and other electrical equipment	22,211	23,360	21,487	-4.9	+8.7	+2.5	21,293	23,293	21,796	17,817	+19.5	108,428	90,404
Electrical transmission and distribution equipment and industrial apparatus	2,541	2,604	2,570	-2.4	+1.3	-4.7	2,537	2,624	2,771	2,312	+9.7	13,174	12,069
Electric lighting and wiring equipment	1,813	1,828	1,739	-0.8	+5.1	-0.4	1,817	1,761	1,838	1,733	+4.8	8,784	8,370
Communications equipment	4,390	5,038	4,788	-12.9	+5.2	+0.8	4,142	4,765	5,103	3,658	+13.2	21,991	16,825
Electronic components	8,083	8,524	7,788	-5.2	+9.5	+14.1	7,754	9,219	7,509	5,939	+30.6	40,356	32,132
ransportation equipment	36,704	35,933	36,268	+2.1	-0.9	-3.3	39,053	37,631	40,242	32,169	+21.4	192,831	164,666
Aircraft, missiles, space vehicles, and parts	7,974	6,588	6,093	+21.0	+8.1	-19.3	7,171	5,924	7,846	5,130	+39.8	37,814	32,079
Shipbuilding and tanks	574	628	559	-8.6	+12.3	+3.9	576	649	609	308	+87.0	2,888	3,863
nstruments and related products	10,254	10,146	10,049	+1.1	+1.0	-8.4	10,044	9,187	10,675	9,751	+3.0	49,675	50,866
Search and navigation equipment	1,935	1,929	1,463	+0.3	+31.9	-48.3	1,743	1,296	1,545	2,027	-14.0	8,824	12,705
Measuring and controlling devices	3,068	3,243	3,447	-5.4	-5.9	+10.2	3,068	3,141	3,736	2,723	+12.7	15,961	14,155
Medical instruments and supplies	2,881	2,756	2,781	+4.5	-0.9	+0.7	2,807	2,666	2,966	2,843	-1.3	13,999	13,996
ll other durable goods	16,622	15,533	15,836	+7.0	-1.9	+1.8	16,947	15,924	16,646	14,533	+16.6	79,282	72,717
ondurable goods industries	127,867	127,837	127,785	0.0	0.0	+1.5	128,097	126,413	131,260	121,338	+5.6	623,326	600,503
With unfilled orders	31,606	31,276	31,245	+1.1	+0.1	+1.9	31,305	31,160	32,397	28,760	+8.8	153,773	145,315

[p] Preliminary. [r] Revised.

[1] Shipments and new orders are the totals for the period and are adjusted for trading-day and calendar-month variations.

(n) When new orders for a prior month are negative because of cancellations, the percentage change calculation is algebraically negative, even though there is a net dollar ncrease from the prior month to the current month.

Note : Estimates of manufacturers' shipments, inventories and orders are subject to survey variability and revision. Since the survey panel is not a probability sample, stimates of sampling variability cannot be calculated. Further details on survey design, methodology, and data limitation are contained in our most recent annual benchmark ublication, Current Industrial Reports: M3-1(92), "Manufacturers' Shipments, Inventories, and Orders: 1982-1992."

Table 3. VALUE OF MANUFACTURERS' UNFILLED ORDERS FOR INDUSTRY GROUPS
(Millions of dollars)

Industry	Seasonally adjusted						Not seasonally adjusted				
	Monthly			Percent Change			Monthly				Percent change
	May 1994[p]	Apr. 1994[r]	Mar. 1994	Apr.-May	Mar.-Apr.	Feb.-Mar.	May 1994[p]	Apr. 1994[r]	Mar. 1994	May 1993	May 94/93
All manufacturing industries	448,467	447,337	446,398	+0.3	+0.2	0.0	452,322	451,901	450,254	464,950	-2.7
Manufacturing industries without defense capital goods	335,048	334,109	332,498	+0.3	+0.5	+0.7	338,368	337,507	334,573	339,137	-0.2
Durable goods industries	424,403	423,681	423,268	+0.2	+0.1	-0.1	427,672	427,807	426,855	441,732	-3.2
Stone, clay, and glass products	7,548	7,535	7,379	+0.2	+2.1	-0.2	7,736	7,546	7,198	7,625	+1.5
Primary metals	24,934	24,347	24,058	+2.4	+1.2	+4.4	25,975	25,516	25,395	23,721	+9.5
Blast furnaces, steel mills	10,905	10,864	10,629	+0.4	+2.2	+2.3	11,276	11,462	11,321	10,794	+4.5
Iron and steel foundries	3,456	3,355	3,347	+3.0	+0.2	+3.5	3,470	3,354	3,404	2,901	+19.6
Nonferrous and other primary metals	10,573	10,128	10,082	+4.4	+0.5	+7.0	11,229	10,700	10,670	10,026	+12.0
Fabricated metal products	20,461	20,280	20,301	+0.9	-0.1	+2.2	20,561	20,483	20,580	22,151	-7.2
Industrial machinery and equipment	58,701	57,624	56,008	+1.9	+2.9	+2.4	59,030	57,885	56,341	50,824	+16.1
Engines and turbines	9,947	9,866	9,919	+0.8	-0.5	-0.7	9,525	9,522	9,771	9,454	+0.8
Construction, mining and material handling equipment	6,454	6,383	6,170	+1.1	+3.5	+3.1	6,512	6,527	6,363	5,833	+11.6
Metalworking machinery	8,767	8,690	8,524	+0.9	+1.9	+5.7	8,767	8,690	8,524	6,668	+31.5
Computer and office equipment	8,837	8,334	7,795	+6.0	+6.9	+5.0	9,305	8,244	7,582	7,806	+19.2
Electronic and other electrical equipment	47,253	47,356	46,134	-0.2	+2.6	+0.1	47,577	48,151	46,083	42,896	+10.9
Electrical transmission and distribution equipment and industrial apparatus	6,103	6,127	6,085	-0.4	+0.7	0.0	6,103	6,143	6,093	5,822	+4.8
Electric lighting and wiring equipment	3,402	3,353	3,302	+1.5	+1.5	+0.2	3,402	3,353	3,302	3,143	+8.2
Communications equipment	14,891	15,306	15,213	-2.7	+0.6	+0.8	14,843	15,316	15,158	12,900	+15.1
Electronic components	17,290	17,135	16,232	+0.9	+5.6	+1.1	17,688	17,878	16,173	16,183	+9.3
Transportation equipment	209,143	209,841	211,775	-0.3	-0.9	-1.2	209,928	211,119	213,227	231,301	-9.2
Aircraft, missiles, space vehicles, and parts	180,196	180,204	181,875	0.0	-0.9	-1.9	180,835	181,264	183,220	203,014	-10.9
Shipbuilding and tanks	17,423	17,924	18,313	-2.8	-2.1	-1.8	17,458	17,925	18,248	20,364	-14.3
Instruments and related products	48,476	49,210	49,963	-1.5	-1.5	-1.5	48,416	49,290	50,463	55,115	-12.2
Search and navigation equipment	31,362	31,933	32,526	-1.8	-1.8	-2.7	31,306	32,029	33,017	36,883	-15.1
Measuring and controlling devices	9,240	9,336	9,227	-1.0	+1.2	+2.7	9,240	9,336	9,227	9,162	+0.9
Medical instruments and supplies	7,013	7,094	7,269	-1.1	-2.4	-2.4	7,013	7,094	7,269	8,290	-15.4
All other durable goods	7,887	7,488	7,650	+5.3	-2.1	+0.7	8,449	7,817	7,568	8,099	+4.3
Nondurable goods industries	24,064	23,656	23,130	+1.7	+2.3	+3.0	24,650	24,094	23,399	23,218	+6.2

[p] Preliminary. [r] Revised.

See note at end of table 2 relating to survey variability.

Table 4. VALUE OF MANUFACTURERS' INVENTORIES FOR INDUSTRY GROUPS
(Millions of dollars)

Industry	Seasonally adjusted						Not seasonally adjusted				
	Monthly			Percent Change			Monthly				Percent change
	May 1994[p]	Apr. 1994[r]	Mar. 1994	Apr.-May	Mar.-Apr.	Feb.-Mar.	May 1994[p]	Apr. 1994[r]	Mar. 1994	May 1993	May 94/93
All manufacturing industries	382,556	380,645	379,772	+0.5	+0.2	-0.1	385,363	382,017	379,434	383,932	+0.4
anufacturing industries											
ith unfilled orders	254,072	252,342	251,291	+0.7	+0.4	-0.2	256,938	253,616	250,539	254,302	+1.0
ithout defense capital goods	357,502	355,126	354,182	+0.7	+0.3	+0.2	360,140	356,387	353,981	354,937	+1.5
urable goods industries	240,713	239,164	238,195	+0.6	+0.4	-0.3	243,004	240,081	238,002	239,823	+1.3
With unfilled orders	220,724	219,041	217,988	+0.8	+0.5	-0.2	223,103	219,878	217,191	220,543	+1.2
one, clay, and glass products	7,493	7,501	7,546	-0.1	-0.6	+0.5	7,653	7,674	7,702	7,878	-2.9
imary metals	19,573	19,527	19,552	+0.2	-0.1	0.0	19,595	19,499	19,401	19,250	+1.8
Blast furnaces, steel mills	9,563	9,477	9,496	+0.9	-0.2	-0.6	9,448	9,281	9,297	9,352	+1.0
Iron and steel foundries	1,481	1,460	1,455	+1.4	+0.3	+1.7	1,524	1,504	1,498	1,425	+6.9
Nonferrous and other primary metals	8,529	8,590	8,601	-0.7	-0.1	+0.5	8,623	8,714	8,606	8,473	+1.8
abricated metal products	23,048	22,949	22,850	+0.4	+0.4	-1.3	23,317	23,152	23,079	23,418	-0.4
dustrial machinery and equipment	48,155	47,888	47,478	+0.6	+0.9	+1.0	48,672	47,946	47,000	45,262	+7.5
Engines and turbines	3,680	3,583	3,538	+2.7	+1.3	+1.1	3,771	3,608	3,430	3,615	+4.3
Farm and garden machinery	2,378	2,422	2,412	-1.8	+0.4	-1.2	2,283	2,390	2,516	2,072	+10.2
Construction, mining and material handling equipment	5,762	5,741	5,702	+0.4	+0.7	+1.9	5,837	5,823	5,790	5,928	-1.5
Metalworking machinery	5,400	5,393	5,266	+0.1	+2.4	-0.5	5,449	5,443	5,200	5,199	+4.8
Computer and office equipment	11,807	11,834	11,682	-0.2	+1.3	+2.0	11,996	11,683	11,150	10,319	+16.3
lectronic and other electrical equipment	36,072	35,519	35,004	+1.6	+1.5	+0.8	36,947	35,924	34,871	33,335	+10.8
Electrical transmission and distribution equipment and industrial apparatus	4,315	4,280	4,268	+0.8	+0.3	+0.7	4,408	4,348	4,259	4,459	-1.1
Household appliances	2,583	2,577	2,577	+0.2	0.0	-1.8	2,805	2,762	2,690	2,831	-0.9
Electric lighting and wiring equipment	2,928	2,933	2,972	-0.2	-1.3	-0.4	3,001	2,976	2,976	2,937	+2.2
Household audio and video equipment	1,065	1,061	1,051	+0.4	+1.0	+1.4	1,088	1,037	1,006	1,105	-1.5
Communications equipment	10,608	10,259	9,944	+3.4	+3.2	+1.7	10,894	10,377	9,867	8,470	+28.6
Electronic components	11,278	11,163	10,981	+1.0	+1.7	+1.2	11,357	11,145	10,886	10,079	+12.7
ransportation equipment	61,027	60,557	60,399	+0.8	+0.3	-1.5	60,949	60,423	60,516	65,573	-7.1
Motor vehicles and parts	12,056	11,744	11,654	+2.7	+0.8	+0.2	11,685	11,547	11,663	11,089	+5.4
Aircraft, missiles, space vehicles, and parts	44,836	44,678	44,569	+0.4	+0.2	-2.2	45,138	44,747	44,625	50,138	-10.0
Shipbuilding and tanks	1,609	1,624	1,632	-0.9	-0.5	+2.8	1,635	1,642	1,616	1,822	-10.3
nstruments and related products	22,005	21,815	21,816	+0.9	0.0	-0.9	22,303	21,934	21,661	23,071	-3.3
Search and navigation equipment	5,758	5,692	5,661	+1.2	+0.5	-1.7	5,818	5,717	5,558	6,126	-5.0
Measuring and controlling devices	6,482	6,452	6,476	+0.5	-0.4	+0.1	6,560	6,480	6,470	6,677	-1.8
Medical instruments and supplies	6,239	6,149	6,134	+1.5	+0.2	+0.1	6,326	6,153	6,087	6,418	-1.4
Photographic goods	2,725	2,727	2,746	-0.1	-0.7	-3.5	2,780	2,770	2,743	3,044	-8.7
ll other durable goods	23,340	23,408	23,550	-0.3	-0.6	-0.1	23,568	23,529	23,772	22,036	+7.0
ondurable goods industries	141,843	141,481	141,577	+0.3	-0.1	+0.2	142,359	141,936	141,432	144,109	-1.2
With unfilled orders	33,348	33,301	33,303	+0.1	0.0	+0.2	33,835	33,738	33,348	33,759	+0.2
ood and kindred products	30,603	30,441	30,357	+0.5	+0.3	+1.1	29,510	29,682	29,833	28,927	+2.0
Meat products	3,418	3,355	3,258	+1.9	+3.0	-0.2	3,483	3,441	3,304	3,130	+11.3
Dairy products	2,697	2,718	2,699	-0.8	+0.7	-0.2	2,783	2,768	2,631	2,959	-5.9
Beverages	5,321	5,308	5,319	+0.2	-0.2	-0.9	5,326	5,337	5,306	5,341	-0.3
All other foods, except fats and oils	17,195	17,150	17,184	+0.3	-0.2	+1.4	15,974	16,184	16,616	16,100	-0.8
obacco products	6,023	5,982	6,104	+0.7	-2.0	+3.2	5,842	6,021	6,187	6,528	-10.5
extile mill products	9,645	9,675	9,690	-0.3	-0.2	+0.4	9,982	9,924	9,726	9,622	+3.7
Broadwoven fabrics and other textiles	5,397	5,415	5,406	-0.3	+0.2	+0.1	5,537	5,556	5,439	5,504	+0.6
aper and allied products	13,501	13,466	13,459	+0.3	+0.1	0.0	13,748	13,739	13,630	13,768	-0.1
Pulp, paper, and paperboard mill products	5,806	5,823	5,834	-0.3	-0.2	+0.6	5,893	5,926	5,921	5,735	+2.8
Paperboard containers and boxes	3,188	3,178	3,161	+0.3	+0.5	+0.2	3,204	3,214	3,201	3,241	-1.1
Miscellaneous converted paper products	4,507	4,465	4,464	+0.9	0.0	-1.0	4,651	4,599	4,508	4,792	-2.9
hemicals and allied products	34,138	34,072	34,031	+0.2	+0.1	-0.5	34,349	34,386	34,379	35,239	-2.5
Industrial chemicals	16,134	16,075	16,061	+0.4	+0.1	-1.5	16,118	16,076	16,183	17,218	-6.4
Drugs, soaps, and toiletries	13,597	13,583	13,557	+0.1	+0.2	+0.3	13,910	13,705	13,444	13,736	+1.3
etroleum and coal products	10,247	10,179	10,207	+0.7	-0.3	+0.3	10,426	10,126	9,992	11,748	-11.3
Rubber and plastics products	12,362	12,367	12,399	0.0	-0.3	-0.1	12,474	12,516	12,573	12,197	+2.3
ll other nondurable goods	25,324	25,299	25,330	+0.1	-0.1	-0.2	26,028	25,542	25,112	26,080	-0.2

[p] Preliminary. [r] Revised.

See note at end of table 2 relating to survey variability.

Table 5. VALUE OF MANUFACTURERS' SHIPMENTS AND NEW ORDERS FOR TOPICAL SERIES[1]
(Millions of dollars)

Industry	Seasonally adjusted						Not seasonally adjusted [2]						
	Monthly			Percent Change			Monthly				Percent change	Year to date	
	May 1994[p]	Apr. 1994[r]	Mar. 1994	Apr.-May	Mar.-Apr.	Feb.-Mar.	May 1994[p]	Apr. 1994[r]	Mar. 1994	May 1993	May 94/93	1994[p]	1993
SHIPMENTS													
All manufacturing industries	275,682	274,243	274,497	+0.5	-0.1	+1.0	278,633	272,953	288,084	256,332	+8.7	1,349,284	1,258,724
Market categories :													
Automotive equipment	13,423	13,627	13,588	-1.5	+0.3	-2.8	14,949	14,722	14,561	12,809	+16.7	71,552	61,343
Home goods and apparel	19,265	18,951	18,952	+1.7	0.0	+3.9	18,002	17,759	19,498	16,209	+11.1	89,094	82,325
Consumer staples	57,518	58,275	58,011	-1.3	+0.5	-0.5	57,225	56,146	59,071	55,987	+2.2	281,308	275,808
Machinery and equipment	48,202	47,967	48,649	+0.5	-1.4	+1.3	48,682	47,402	53,795	43,429	+12.1	236,964	211,682
Business supplies	20,730	20,591	20,464	+0.7	+0.6	+1.7	20,907	21,119	20,875	19,496	+7.2	100,826	96,214
Construction materials and supplies	17,691	17,690	17,778	0.0	-0.5	+2.0	18,226	17,839	18,096	16,906	+7.8	85,708	79,119
Defense products	7,241	7,346	7,438	-1.4	-1.2	+1.5	7,008	6,936	7,815	7,375	-5.0	35,011	36,822
Other materials, supplies and and intermediate products	91,612	89,796	89,617	+2.0	+0.2	+1.4	93,634	91,030	94,373	84,121	+11.3	448,821	415,411
Durable goods industries :													
Nondefense capital goods [3]	36,133	35,873	36,431	+0.7	-1.5	+1.8	34,965	34,101	41,231	31,782	+10.0	173,429	157,095
Excluding aircraft and parts	31,816	31,288	30,898	+1.7	+1.3	-0.6	30,827	29,650	34,997	26,319	+17.1	150,186	130,202
Defense capital goods [4]	6,776	6,952	7,139	-2.5	-2.6	+2.9	6,499	6,471	7,467	7,189	-9.6	32,830	35,593
Durables excluding capital goods	105,314	104,107	103,818	+1.2	+0.3	+0.3	109,628	106,663	109,511	95,926	+14.3	523,618	466,690
Miscellaneous series :													
Producers' durable equipment	95,292	94,821	95,251	+0.5	-0.5	+0.4	97,733	95,067	104,113	86,279	+13.3	473,988	421,363
Household durable goods	8,171	8,000	7,884	+2.1	+1.5	+2.5	7,808	7,701	8,407	6,888	+13.4	38,057	34,962
Information technology industries	17,390	17,389	17,304	0.0	+0.5	+2.6	16,197	15,441	19,642	13,826	+17.1	80,306	68,643
Health care equipment and products	8,507	8,483	8,494	+0.3	-0.1	+3.1	8,018	8,147	8,897	7,407	+8.2	41,044	39,484
NEW ORDERS													
All manufacturing industries	276,812	275,182	274,691	+0.6	+0.2	+1.1	279,054	274,600	289,574	250,090	+11.6	1,363,248	1,251,488
Market categories :													
Automotive equipment	13,419	13,635	13,603	-1.6	+0.2	-2.7	14,926	14,742	14,559	12,866	+16.0	71,639	61,45[illegible]
Home goods and apparel	19,648	19,005	19,134	+3.4	-0.7	+4.9	18,460	18,117	19,851	16,188	+14.0	91,710	84,43[illegible]
Consumer staples	57,552	58,295	58,033	-1.3	+0.5	-0.4	57,210	56,160	59,083	55,980	+2.2	281,238	275,74[illegible]
Machinery and equipment	47,198	47,629	48,085	-0.9	-0.9	-0.2	47,718	47,341	52,921	41,347	+15.4	238,068	202,40[illegible]
Business supplies	20,841	20,636	20,590	+1.0	+0.2	+2.0	21,112	21,108	21,126	19,479	+8.4	101,323	96,17[illegible]
Construction materials and supplies	17,778	17,749	18,135	+0.2	-2.1	+3.5	18,376	18,022	18,593	17,032	+7.9	86,877	79,971
Defense products	7,486	6,416	5,395	+16.7	+18.9	-19.3	6,636	5,229	6,532	4,521	+46.8	32,034	32,781
Other materials, supplies and and intermediate products	92,890	91,817	91,716	+1.2	+0.1	+3.4	94,616	93,881	96,909	82,677	+14.4	460,359	418,528
Durable goods industries :													
Nondefense capital goods [3]	35,377	35,815	36,127	-1.2	-0.9	-0.7	34,191	34,118	40,273	29,221	+17.0	175,349	146,306
Excluding aircraft and parts	31,993	32,936	33,080	-2.9	-0.4	+3.3	30,986	31,373	36,525	26,202	+18.3	156,521	131,537
Defense capital goods [4]	6,967	6,280	4,902	+10.9	+28.1	-20.1	6,059	5,184	6,059	4,297	+41.0	29,646	31,626
Durables excluding capital goods	106,601	105,250	105,877	+1.3	-0.6	+2.4	110,707	108,885	111,982	95,234	+16.2	534,927	473,053
Miscellaneous series :													
Producers' durable equipment	95,060	94,938	95,581	+0.1	-0.7	+0.6	97,543	95,599	104,121	84,116	+16.0	479,209	414,781
Household durable goods	8,583	7,813	7,912	+9.9	-1.3	+3.7	8,147	7,851	8,467	6,733	+21.0	39,390	36,191
Information technology industries	17,191	17,849	17,914	-3.7	-0.4	+5.7	16,580	16,002	20,216	14,345	+15.6	81,988	69,459
Health care equipment and products	8,426	8,308	8,315	+1.4	-0.1	+3.1	7,937	7,972	8,719	7,534	+5.3	40,599	39,352

[p] Preliminary. [r] Revised.

[1] Topical series are regroupings of the separate industry categories.

[2] Shipments and new orders are the totals for the period and are adjusted for trading-day and calendar-month variations.

[3] Nondefense capital goods industries include : ordnance and accessories; steam, gas and hydraulic turbines; internal combustion engines; construction, mining, and material handling equipment; metalworking machinery; special industry machinery; general industrial machinery; computer and office equipment; refrigeration, heating and service industry machinery; electrical transmission and distribution equipment; electrical industrial apparatus; communications equipment; aircraft, missiles, space vehicles, and engines and parts; ships and tank components; railroad equipment; and search and navigation equipment.

[4] Defense capital goods industries include : ordnance and accessories; communications equipment; aircraft, missiles, space vehicles, and engines and parts; ships, and tank components; and search and navigation equipment.

See note at end of table 2 relating to survey variability.

Table 6. VALUE OF MANUFACTURERS' UNFILLED ORDERS AND TOTAL INVENTORIES FOR TOPICAL SERIES[1]
(Millions of dollars)

Industry	Seasonally adjusted						Not seasonally adjusted				
	Monthly			Percent Change			Monthly				Percent change
	May 1994[p]	Apr. 1994[r]	Mar. 1994	Apr.-May	Mar.-Apr.	Feb.-Mar.	May 1994[p]	Apr. 1994[r]	Mar. 1994	May 1993	May 94/93
UNFILLED ORDERS											
All manufacturing industries	448,467	447,337	446,398	+0.3	+0.2	0.0	452,322	451,901	450,254	464,950	-2.7
Market categories :											
Automotive equipment	1,970	1,974	1,966	-0.2	+0.4	+0.8	1,988	2,012	1,992	1,696	+17.2
Home goods and apparel	10,845	10,462	10,408	+3.7	+0.5	+1.8	11,279	10,820	10,462	10,698	+5.4
Consumer staples	1,478	1,445	1,425	+2.3	+1.4	+1.6	1,406	1,421	1,407	1,372	+2.5
Machinery and equipment	180,648	181,652	181,989	-0.6	-0.2	-0.3	181,327	182,292	182,352	188,226	-3.7
Business supplies	5,758	5,646	5,602	+2.0	+0.8	+2.3	5,865	5,659	5,671	5,651	+3.8
Construction materials and supplies	14,785	14,698	14,639	+0.6	+0.4	+2.5	15,044	14,894	14,711	15,179	-0.9
Defense products	107,518	107,273	108,203	+0.2	-0.9	-1.9	107,932	108,304	110,011	119,295	-9.5
Other materials, supplies and and intermediate products	125,465	124,187	122,166	+1.0	+1.7	+1.7	127,481	126,499	123,648	122,833	+3.8
Durable goods industries :											
Nondefense capital goods [3]	198,901	199,657	199,715	-0.4	0.0	-0.2	199,257	200,031	200,014	206,395	-3.5
Excluding aircraft and parts	81,637	81,460	79,812	+0.2	+2.1	+2.8	81,993	81,834	80,111	71,595	+14.5
Defense capital goods [4]	113,419	113,228	113,900	+0.2	-0.6	-1.9	113,954	114,394	115,681	125,813	-9.4
Durables excluding capital goods	112,083	110,796	109,653	+1.2	+1.0	+1.9	114,461	113,382	111,160	109,524	+4.5
Miscellaneous series :											
Producers' durable equipment	210,286	210,518	210,401	-0.1	+0.1	+0.2	211,364	211,554	211,022	211,792	-0.2
Household durable goods	5,872	5,460	5,647	+7.5	-3.3	+0.5	6,168	5,829	5,679	5,655	+9.1
Information technology industries	33,293	33,492	33,032	-0.6	+1.4	+1.9	33,768	33,385	32,824	31,932	+5.7
Health care equipment and products	7,042	7,123	7,298	-1.1	-2.4	-2.4	7,043	7,123	7,298	8,319	-15.3
TOTAL INVENTORIES											
All manufacturing industries	382,556	380,645	379,772	+0.5	+0.2	-0.1	385,363	382,017	379,434	383,932	+0.4
Market categories :											
Automotive equipment	6,106	6,033	6,062	+1.2	-0.5	-0.3	6,030	5,992	6,157	6,121	-1.5
Home goods and apparel	30,688	30,693	30,778	0.0	-0.3	-0.1	31,967	31,177	30,681	31,232	+2.4
Consumer staples	58,043	57,773	57,788	+0.5	0.0	+0.7	57,352	57,221	57,071	58,659	-2.2
Machinery and equipment	91,626	90,237	89,367	+1.5	+1.0	+0.3	92,862	90,595	89,073	89,281	+4.0
Business supplies	21,052	21,036	21,046	+0.1	0.0	-0.3	21,150	21,218	21,071	21,756	-2.8
Construction materials and supplies	24,328	24,273	24,462	+0.2	-0.8	-0.1	24,666	24,587	24,861	23,648	+4.3
Defense products	23,989	24,439	24,543	-1.8	-0.4	-2.6	24,178	24,580	24,439	27,498	-12.1
Other materials, supplies and and intermediate products	126,724	126,161	125,726	+0.4	+0.3	-0.1	127,158	126,647	126,081	125,737	+1.1
Durable goods industries :											
Nondefense capital goods [3]	86,568	85,212	84,223	+1.6	+1.2	+0.6	87,860	85,527	83,622	84,065	+4.5
Excluding aircraft and parts	59,899	59,294	58,570	+1.0	+1.2	+1.2	61,004	59,642	57,862	55,773	+9.4
Defense capital goods [4]	25,054	25,519	25,590	-1.8	-0.3	-3.4	25,223	25,630	25,453	28,995	-13.0
Durables excluding capital goods	129,091	128,433	128,382	+0.5	0.0	-0.2	129,921	128,924	128,927	126,763	+2.5
Miscellaneous series :											
Producers' durable equipment	146,983	145,129	144,240	+1.3	+0.6	+0.1	148,684	145,692	143,955	143,661	+3.5
Household durable goods	13,527	13,546	13,616	-0.1	-0.5	-0.8	13,934	13,673	13,576	13,767	+1.2
Information technology industries	32,274	32,022	31,650	+0.8	+1.2	+0.9	32,887	32,064	31,012	29,581	+11.2
Health care equipment and products	13,625	13,525	13,496	+0.7	+0.2	+0.2	13,880	13,596	13,390	13,873	+0.1

See footnotes at end of table 5.

See note at end of table 2 relating to survey variability.

Table 7. VALUE OF MANUFACTURERS' INVENTORIES, BY STAGE OF FABRICATION, BY INDUSTRY GROUP
(Millions of dollars)

Industry	Seasonally adjusted						Not seasonally adjusted				
	Monthly			Percent Change			Monthly				Percent change
	May 1994[p]	Apr. 1994[r]	Mar. 1994	Apr.-May	Mar.-Apr.	Feb.-Mar.	May 1994[p]	Apr. 1994[r]	Mar. 1994	May 1993	May 94/93
MATERIALS AND SUPPLIES											
All manufacturing industries	122,099	121,281	120,565	+0.7	+0.6	+0.2	121,568	120,787	119,957	120,645	+0.8
Durable goods industries	70,158	69,576	68,780	+0.8	+1.2	0.0	69,766	68,899	68,047	67,985	+2.6
Stone, clay, and glass products	2,585	2,570	2,586	+0.6	-0.6	+1.7	2,572	2,537	2,568	2,477	+3.8
Primary metals	6,023	5,937	5,918	+1.4	+0.3	+0.9	5,855	5,763	5,705	5,995	-2.3
Fabricated metal products	7,814	7,775	7,693	+0.5	+1.1	-1.8	7,712	7,643	7,687	7,523	+2.5
Industrial machinery and equipment	15,235	14,965	14,484	+1.8	+3.3	-0.3	15,308	14,892	14,264	14,549	+5.2
Electronic and other electrical equipment	11,625	11,432	11,251	+1.7	+1.6	+1.6	11,736	11,451	11,188	10,461	+12.2
Transportation equipment	10,935	10,924	10,819	+0.1	+1.0	-1.3	10,935	10,975	10,844	12,070	-9.4
Instruments and related products	6,741	6,711	6,710	+0.4	0.0	+0.5	6,787	6,720	6,682	6,874	-1.3
Lumber, furniture and miscellaneous durable goods	9,200	9,262	9,319	-0.7	-0.6	-0.1	8,861	8,918	9,109	8,036	+10.3
Nondurable goods industries	51,941	51,705	51,785	+0.5	-0.2	+0.6	51,802	51,888	51,910	52,660	-1.6
Food and kindred products	9,935	9,901	9,968	+0.3	-0.7	+0.5	9,834	9,977	10,045	9,951	-1.2
Tobacco products	5,127	5,120	5,192	+0.1	-1.4	+1.9	5,000	5,160	5,310	5,176	-3.4
Textile mill products	2,775	2,758	2,756	+0.6	+0.1	+3.3	2,849	2,792	2,780	2,698	+5.6
Paper and allied products	6,667	6,642	6,668	+0.4	-0.4	+1.0	6,637	6,655	6,735	6,715	-1.2
Chemicals and allied products	11,291	11,250	11,202	+0.4	+0.4	-0.5	11,309	11,248	11,160	11,707	-3.4
Petroleum and coal products	2,996	2,975	2,954	+0.7	+0.7	+0.2	3,067	2,984	2,877	3,326	-7.8
Rubber and plastics products	4,538	4,544	4,572	-0.1	-0.6	+0.6	4,519	4,546	4,563	4,408	+2.5
Apparel, printing and publishing and leather goods	8,612	8,515	8,473	+1.1	+0.5	+0.2	8,587	8,526	8,440	8,679	-1.1
WORK IN PROCESS											
All manufacturing industries	129,011	128,164	128,492	+0.7	-0.3	-0.1	129,462	128,335	128,449	129,714	-0.2
Durable goods industries	105,654	104,959	105,075	+0.7	-0.1	-0.2	106,175	105,016	105,070	106,735	-0.5
Stone, clay, and glass products	1,063	1,069	1,041	-0.6	+2.7	-2.2	1,097	1,117	1,089	1,154	-4.9
Primary metals	7,239	7,234	7,272	+0.1	-0.5	-0.7	7,277	7,268	7,309	7,002	+3.9
Fabricated metal products	7,489	7,345	7,435	+2.0	-1.2	-0.9	7,527	7,337	7,489	7,688	-2.1
Industrial machinery and equipment	18,641	18,834	19,033	-1.0	-1.0	+2.8	18,731	18,780	18,820	17,447	+7.4
Electronic and other electrical equipment	14,858	14,550	14,469	+2.1	+0.6	+1.0	15,118	14,691	14,460	14,010	+7.9
Transportation equipment	42,077	41,707	41,546	+0.9	+0.4	-1.8	41,991	41,525	41,724	44,887	-6.5
Instruments and related products	9,293	9,243	9,265	+0.5	-0.2	-1.2	9,367	9,257	9,133	9,921	-5.6
Lumber, furniture and miscellaneous durable goods	4,994	4,977	5,014	+0.3	-0.7	+1.9	5,067	5,041	5,046	4,626	+9.5
Nondurable goods industries	23,357	23,205	23,417	+0.7	-0.9	+0.6	23,287	23,319	23,379	22,979	+1.3
Food and kindred products	4,010	4,020	4,002	-0.2	+0.4	+1.6	3,720	3,886	4,013	3,469	+7.2
Tobacco products	169	191	179	-11.5	+6.7	+9.8	129	157	162	142	-9.2
Textile mill products	2,550	2,562	2,607	-0.5	-1.7	-0.5	2,595	2,585	2,604	2,522	+2.9
Paper and allied products	1,213	1,188	1,178	+2.1	+0.8	+1.5	1,223	1,206	1,187	1,225	-0.2
Chemicals and allied products	5,488	5,430	5,652	+1.1	-3.9	+0.1	5,585	5,489	5,574	5,644	-1.0
Petroleum and coal products	2,237	2,230	2,280	+0.3	-2.2	+0.5	2,261	2,262	2,262	2,710	-16.6
Rubber and plastics products	1,780	1,769	1,765	+0.6	+0.2	-0.5	1,767	1,768	1,747	1,685	+4.9
Apparel, printing and publishing and leather goods	5,910	5,815	5,754	+1.6	+1.1	+0.8	6,007	5,966	5,830	5,582	+7.6
FINISHED GOODS											
All manufacturing industries	131,446	131,200	130,715	+0.2	+0.4	-0.4	134,333	132,895	131,028	133,573	+0.6
Durable goods industries	64,901	64,629	64,340	+0.4	+0.4	-0.6	67,063	66,166	64,885	65,103	+3.0
Stone, clay, and glass products	3,845	3,862	3,919	-0.4	-1.5	+0.3	3,984	4,020	4,045	4,247	-6.2
Primary metals	6,311	6,356	6,362	-0.7	-0.1	+0.1	6,463	6,468	6,387	6,253	+3.4
Fabricated metal products	7,745	7,829	7,722	-1.1	+1.4	-1.2	8,078	8,172	7,903	8,207	-1.6
Industrial machinery and equipment	14,279	14,089	13,961	+1.3	+0.9	0.0	14,633	14,274	13,916	13,266	+10.3
Electronic and other electrical equipment	9,589	9,537	9,284	+0.5	+2.7	-0.3	10,093	9,782	9,223	8,864	+13.9
Transportation equipment	8,015	7,926	8,034	+1.1	-1.3	-0.8	8,023	7,923	7,948	8,616	-6.9
Instruments and related products	5,971	5,861	5,841	+1.9	+0.3	-1.8	6,149	5,957	5,846	6,276	-2.0
Lumber, furniture and miscellaneous durable goods	9,146	9,169	9,217	-0.3	-0.5	-1.3	9,640	9,570	9,617	9,374	+2.8
Nondurable goods industries	66,545	66,571	66,375	0.0	+0.3	-0.1	67,270	66,729	66,143	68,470	-1.8
Food and kindred products	16,658	16,520	16,387	+0.8	+0.8	+1.3	15,956	15,819	15,775	15,507	+2.9
Tobacco products	727	671	733	+8.3	-8.5	+11.7	713	704	715	1,210	-41.1
Textile mill products	4,320	4,355	4,327	-0.8	+0.6	-0.7	4,538	4,547	4,342	4,402	+3.1
Paper and allied products	5,621	5,636	5,613	-0.3	+0.4	-1.6	5,888	5,878	5,708	5,828	+1.0
Chemicals and allied products	17,359	17,392	17,177	-0.2	+1.3	-0.8	17,455	17,649	17,645	17,888	-2.4
Petroleum and coal products	5,014	4,974	4,973	+0.8	0.0	+0.2	5,098	4,880	4,853	5,712	-10.7
Rubber and plastics products	6,044	6,054	6,062	-0.2	-0.1	-0.4	6,188	6,202	6,263	6,104	+1.4
Apparel, printing and publishing and leather goods	10,802	10,969	11,103	-1.5	-1.2	-1.0	11,434	11,050	10,842	11,819	-3.3

[p] Preliminary. [r] Revised

See note at end of table 2 relating to survey variability.

Table 8. RATIOS OF MANUFACTURES' INVENTORIES TO SHIPMENTS AND UNFILLED ORDERS TO SHIPMENTS, BY INDUSTRY GROUP
(Based on seasonally adjusted data)

Industry	Inventory / Shipments ratio				Unfilled Orders / Shipments ratio[1]			
	May 1994[p]	Apr. 1994[r]	Mar. 1994	Feb. 1994	May 1994[p]	Apr. 1994[r]	Mar. 1994	Feb. 1994
All manufacturing industries	1.39	1.39	1.38	1.40	3.01	3.04	3.03	3.07
urable goods industries	1.62	1.63	1.62	1.63	3.61	3.64	3.63	3.69
Stone, clay, and glass products	1.12	1.13	1.13	1.19	1.21	1.21	1.18	1.25
Primary metals	1.55	1.59	1.60	1.61	1.97	1.98	1.97	1.90
Fabricated metal products	1.53	1.53	1.52	1.56	1.47	1.46	1.45	1.44
Industrial machinery and equipment	1.79	1.81	1.79	1.78	2.34	2.34	2.27	2.22
Electronic and other electrical equipment	1.62	1.60	1.63	1.63	2.12	2.14	2.15	2.16
Transportation equipment	1.63	1.60	1.55	1.58	11.38	11.41	10.95	11.47
Instruments and related products	2.00	2.00	2.02	2.03	4.41	4.52	4.62	4.67
ondurable goods industries	1.11	1.11	1.11	1.12	0.77	0.77	0.76	0.74
Food and kindred products	0.88	0.87	0.84	0.84	(X)	(X)	(X)	(X)
Tobacco products	2.29	1.86	2.77	1.84	(X)	(X)	(X)	(X)
Textile mill products	1.56	1.60	1.58	1.60	(NA)	(NA)	(NA)	(NA)
Paper and allied products	1.21	1.24	1.24	1.24	(NA)	(NA)	(NA)	(NA)
Chemicals and allied products	1.22	1.23	1.23	1.28	(X)	(X)	(X)	(X)
Petroleum and coal products	0.87	0.86	0.87	0.88	(X)	(X)	(X)	(X)
Rubber and plastics products	1.31	1.33	1.33	1.38	(X)	(X)	(X)	(X)

[p] Preliminary. [r] Revised. (X) Not applicable. (NA) Not available.

[1] Excludes the following industries with no unfilled orders : Wood and lumber products; glass containers; metal cans, barrels and drums; farm and garden machinery; notor vehicle assembly operations; other transportation equipment; foods and related products; tobacco; knitting mill products; apparel and related products; chemicals; etroleum and coal products; and rubber and plastics products.

Table 9. REVISIONS TO PREVIOUSLY PUBLISHED MONTHLY PERCENT CHANGES
(Based on seasonally adjusted data)

Industry	Shipments			New orders			Unfilled orders			Inventories		
	May[1] 1994	May[2] 1989-1993	May 1993-Apr. 1994	May[1] 1994	May[2] 1989-1993	May 1993-Apr. 1994	May[1] 1994	May[2] 1989-1993	May 1993-Apr. 1994	May[1] 1994	May[2] 1989-1993	May 1993-Apr. 1994
All manufacturing industries	(X)	0.1	0.1	(X)	0.4	0.2	(X)	0.1	0.1	(X)	0.2	0.1
urable goods industries	0.1	0.1	0.2	0.2	0.8	0.3	0.1	0.1	0.1	(X)	0.1	0.1
Stone, clay, and glass products	(X)	0.5	0.5	(X)	0.5	1.2	(X)	0.4	0.8	(X)	0.3	0.2
Primary metals	0.6	0.3	0.4	0.6	1.4	0.9	0.1	0.5	0.5	(X)	0.1	0.2
Fabricated metal products	(X)	0.4	0.4	(X)	0.6	0.6	(X)	0.2	0.3	(X)	0.3	0.3
Industrial machinery and equipment	-0.5	0.5	0.5	-0.1	0.9	0.6	0.2	0.1	0.1	(X)	0.2	0.2
Electronic and other electrical equipment	0.2	0.2	0.3	0.1	0.3	1.0	0.0	0.0	0.4	(X)	0.1	0.2
Transportation equipment	0.0	0.4	0.4	-0.1	2.8	0.7	0.0	0.2	0.1	(X)	0.2	0.2
Instruments and related products	(X)	1.2	0.3	(X)	0.6	2.3	(X)	0.0	0.4	(X)	0.2	0.3
ondurable goods industries	(X)	0.1	0.1	(X)	0.1	0.2	(X)	0.6	0.4	(X)	0.1	0.1
Food and kindred products	(X)	0.7	0.3	(X)	(X)	(X)	(X)	(X)	(X)	(X)	0.8	0.1
Tobacco products	(X)	5.4	0.2	(X)	(X)	(X)	(X)	(X)	(X)	(X)	0.3	0.1
Textile mill products	(X)	0.8	0.5	(X)	(NA)	(NA)	(X)	(NA)	(NA)	(X)	0.2	0.1
Paper and allied products	(X)	0.1	0.3	(X)	(NA)	(NA)	(X)	(NA)	(NA)	(X)	0.1	0.1
Chemicals and allied products	(X)	0.2	0.2	(X)	(X)	(X)	(X)	(X)	(X)	(X)	0.1	0.2
Petroleum and coal products	(X)	0.5	0.6	(X)	(X)	(X)	(X)	(X)	(X)	(X)	0.6	0.4
Rubber and plastics products	(X)	0.9	0.3	(X)	(X)	(X)	(X)	(X)	(X)	(X)	0.5	0.1
apital goods industries :												
Nondefense	-0.5	0.6	0.4	-0.4	2.1	0.6	0.0	0.1	0.1	(X)	0.1	0.1
Defense	-0.5	1.7	0.4	-1.0	10.1	5.3	0.0	0.3	0.3	(X)	0.5	0.2

(X) Not applicable. (NA) Not available.

Note : The five year and the twelve month revisions are the differences between the month-to-month percent changes of the preliminary and final estimates. The nonthly averages are the simple averages of the absolute values of the differences for the months specified. The advance to final percent change revisions for the lurable goods industries are shown in the advance report for the month.

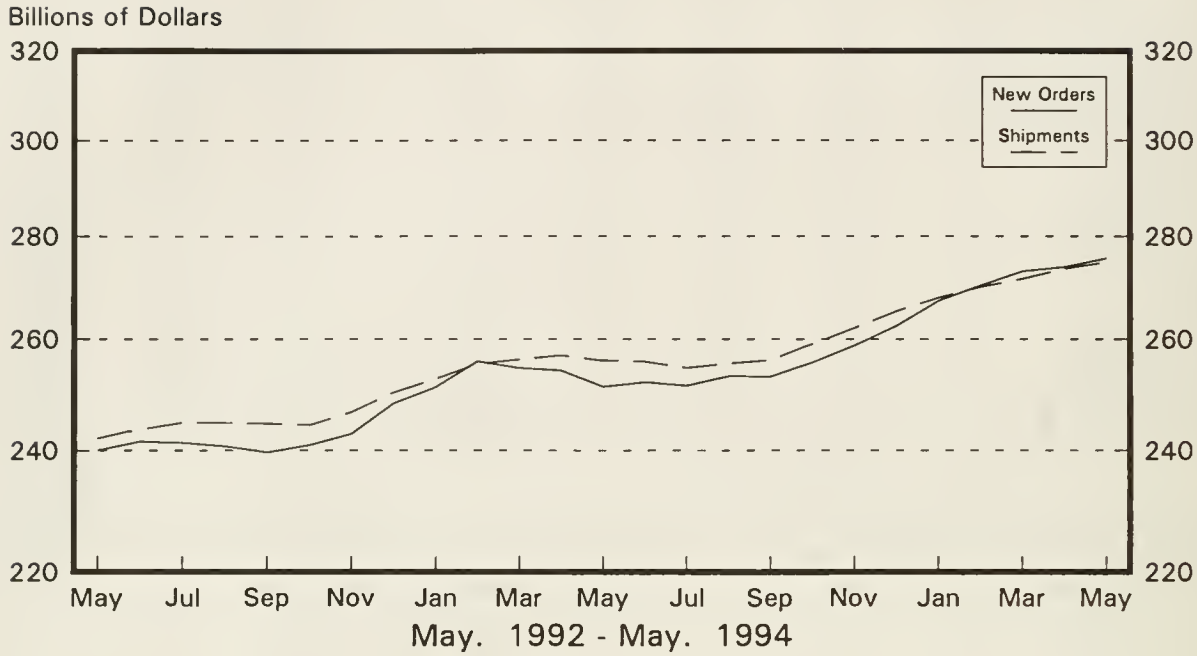
[1] The current month revisions are the difference between the advance percent change and the percent change as shown in this publication.

[2] Average for this month for the last five years.

See note at end of table 2 relating to survey variability.

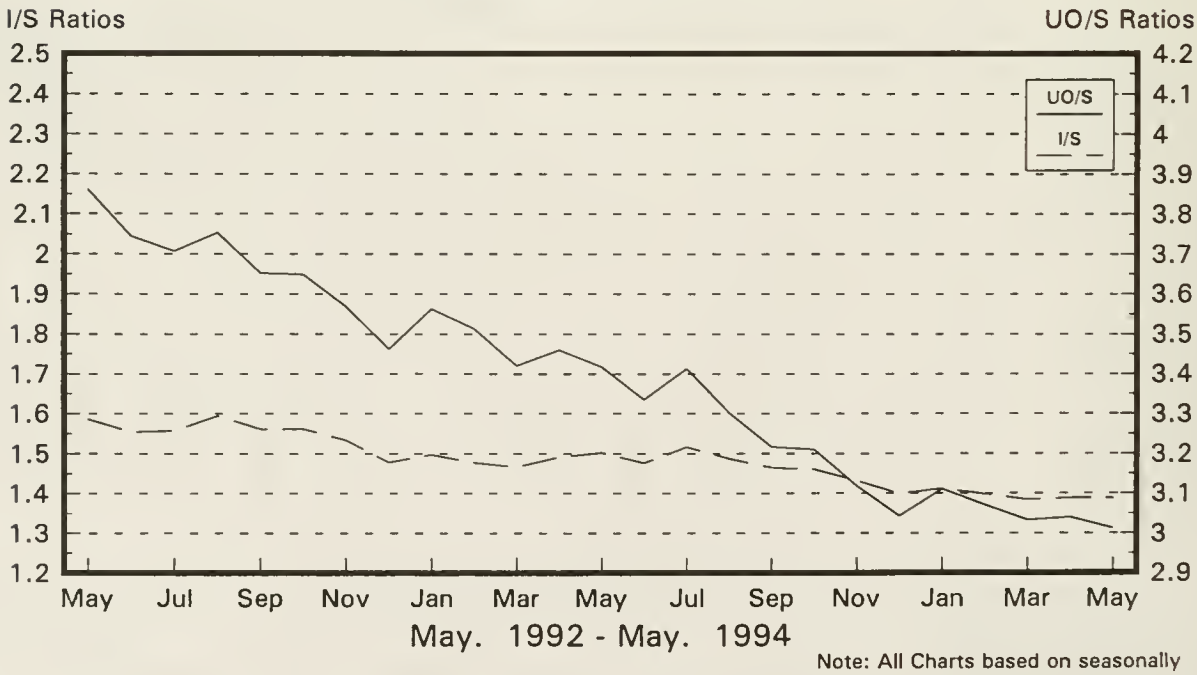
Total Manufacturing

New Orders and Shipments
Three Month Moving Averages



Total Manufacturing

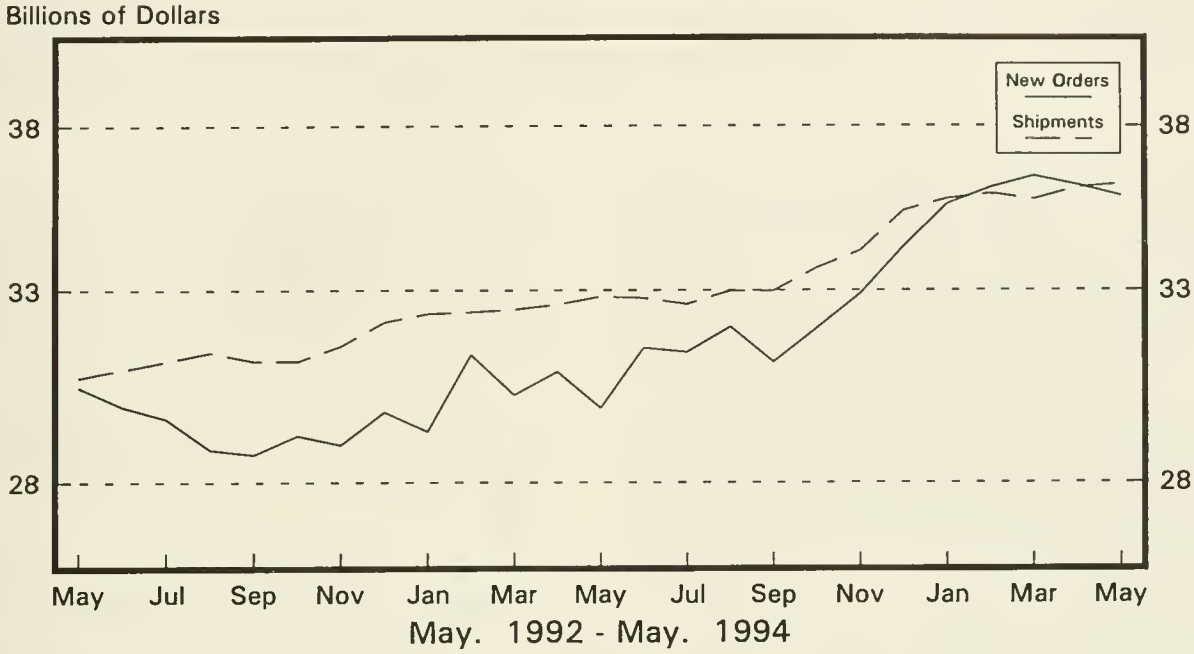
Ratio of Unfilled Orders and
Inventories to Shipments



Note: All Charts based on seasonally adjusted current dollars.

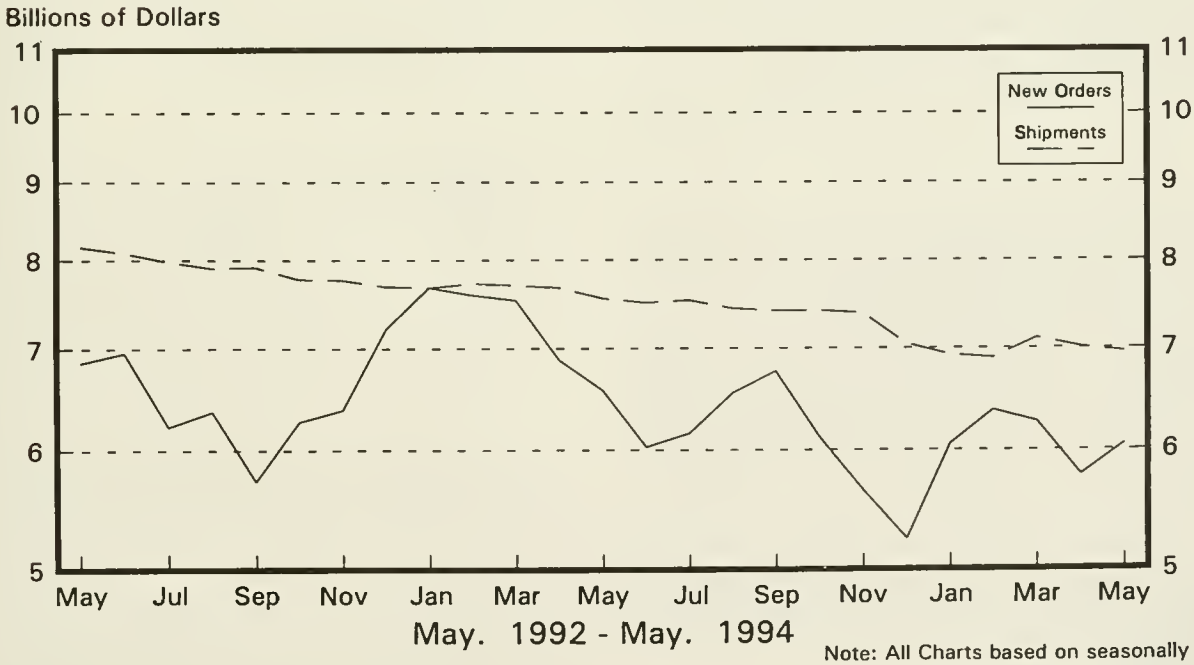
Nondefense Capital Goods

New Orders and Shipments
Three Month Moving Averages



Defense Capital Goods

New Orders and Shipments
Three Month Moving Averages



Note: All Charts based on seasonally adjusted current dollars.

U.S. Department of Commerce
BUREAU OF THE CENSUS
Washington, D.C. 20233

Official Business
Penalty for Private Use, $300

POSTAGE AND FEES PAID
U.S. DEPARTMENT OF COMMERCE
COM-202

First Class Mail

3. 158: M 3-1(94)-06

rent Industrial Reports, Manufac...

Manufacturers' Shipments, Inventories, and Orders

U. S. Department of Commerce
Economics and Statistics Administration
BUREAU OF THE CENSUS

June 1994
M3-1-(94)-06
For Wire Transmissions 10:00 a.m. E.D.T. August 3, 1994

Steve Andrews or Gloria Cable
(301)763-2502 or (301)763-2575

Note: All figures in text are in seasonally adjusted current dollars

Summary

New orders for manufactured goods in June increased $2.2 billion or 0.8 percent to $279.6 billion, following a 0.8 percent increase in May, the Department of Commerce, Bureau of the Census reported today. This is the fourth consecutive monthly increase and the tenth in the last eleven months. Year-to-date new orders for 1994 are 8.6 percent above the same period a year ago.

Shipments increased $2.4 billion or 0.9 percent to $278.6 billion, following a 0.7 percent increase in May. This is the fourth increase in the last five months. Year-to-date shipments for 1994 are 7.0 percent above the same period a year ago.

Unfilled orders increased $1.0 billion or 0.2 percent to $449.5 billion, the fifth increase in the last six months. The unfilled orders-to-shipments ratio decreased from 3.01 in May to 2.98 in June, the lowest in nearly thirty years.

Inventories increased $0.3 billion or 0.1 percent to $382.7 billion, following a 0.5 percent increase in May. This is the fifth increase in the last six months. The inventories-to-shipments ratio decreased from 1.38 in May to 1.37 in June, the lowest on record.

New Orders

New orders for durable goods in June increased $1.7 billion or 1.2 percent to $151.2 billion. This is revised from the previously published 1.3 percent increase. This is the fourth consecutive monthly increase and the tenth in the last eleven months.

Instruments and related products had the largest increase, up $1.3 billion or 12.8 percent to $11.8 billion, the third consecutive monthly increase and the fifth in the last six months. Transportation equipment increased $0.8 billion or 2.2 percent to $37.9 billion, due to motor vehicles and parts and railroad equipment. This is the second consecutive monthly increase, following three decreases in a row. Industrial machinery and equipment was up $0.5 billion or 1.9 percent to $28.5 billion, the fourth increase in the last five months. Fabricated metals had the largest decrease, down $0.4 billion or 2.3 percent to $15.0 billion.

New orders for nondurable goods increased $0.4 billion or 0.3 percent to $128.5 billion, as increases in food and kindred products and petroleum and coal products more than offset decreases in apparel and tobacco products. This is the eighth consecutive monthly increase.

Shipments

Shipments of durable goods in June increased $1.7 billion or 1.1 percent to $150.2 billion, the fourth increase in the last five months. The percent change is the same as reported earlier. Transportation equipment had the largest increase, up $1.1 billion or 2.8 percent to $38.7 billion, primarily due to motor vehicles and parts and aircraft and parts. Instruments and related products increased $0.3 billion or 3.1 percent to $11.4 billion, the third consecutive monthly increase. Electronic and other electrical equipment increased $0.3 billion or 1.1 percent to $22.6 billion, the eighth consecutive monthly increase.

Shipments of nondurable goods increased $0.7 billion or 0.5 percent to $128.4 billion, the eighth consecutive monthly increase. The largest increase was in food and kindred products, up $0.7 billion or 2.0 percent to $35.6 billion, the second consecutive monthly increase. Petroleum and coal products increased $0.3 billion or 2.1 percent to $12.1 billion, the fifth increase in the last six months.

Unfilled Orders

Unfilled orders for durable goods in June increased $0.9 billion or 0.2 percent to $425.5 billion, the third consecutive monthly increase. The percent change is the same as reported earlier. Industrial machinery and equipment, up for the twelfth consecutive month, had the largest increase, up $1.5 billion or 2.6 percent to $60.2 billion, with increases in nearly all categories. Primary metals increased $0.4 billion or 1.4 percent to $25.4 billion, the seventh consecutive monthly increase. Transportation equipment had the largest decrease, down $0.8 billion or 0.4 percent to $208.4 billion, primarily due to shipbuilding and tanks and aircraft and parts. This is the twenty-fifth decrease in the last twenty-six months. Unfilled orders for nondurable goods increased 0.2 percent to $24.0 billion, the eighth increase in a row.

Inventories

Inventories for durable goods in June increased $0.3 billion or 0.1 percent to $240.8 billion, the fifth increase in the last six months. Electronic and other electrical equipment had the largest increase, up $0.4 billion or 1.0 percent to $36.4 billion, the eighteenth increase in the last twenty months. Industrial machinery and equipment increased $0.3 billion or 0.6 percent to $48.4 billion, the fifteenth consecutive monthly increase. Transportation equipment had the largest decrease, down $0.5 billion or 0.8 percent to $60.3 billion, primarily due to aircraft and parts. Nondurable goods inventories increased $0.1 billion to $141.9 billion, the fourth increase in the last five months.

By stage of fabrication, finished goods decreased 1.0 percent in durables and 0.4 percent in nondurables. Work in process increased 0.5 percent in durables and 0.7 percent in nondurables. Materials and supplies increased 0.6 percent in durables and 0.3 percent in nondurables.

The advance report on durable goods for July is scheduled for August 24, 1994 at 8:30 a.m. and the full report on August 31, 1994 at 10:00 a.m. For sale by the Superintendent of Documents, U.S. Government Printing Office, Washington, DC 20402. This report is also available the day of issue through the Department of Commerce's online Economic Bulletin Board (N-8-1) (202-482-3870) and through the Census Bureau's online information service—CENDATA. CENDATA is available from Dialog Information Services, Inc. (1-800-334-2564) and CompuServe (1-800-848-8199). The CENDATA staff at the Bureau of the Census (301-763-2074) can provide content information and general guidance.

Table 1. VALUE OF MANUFACTURERS' SHIPMENTS FOR INDUSTRY GROUPS
(Millions of dollars)

Industry	Seasonally adjusted						Not seasonally adjusted[1]						
	Monthly			Percent Change			Monthly				Percent change	Year to date	
	June 1994[p]	May 1994[r]	Apr. 1994	May-June	Apr.-May	Mar.-Apr.	June 1994[p]	May 1994[r]	Apr. 1994	June 1993	June 94/93	1994[p]	1993
All manufacturing industries	278,627	276,232	274,243	+0.9	+0.7	-0.1	299,901	278,948	272,953	278,186	+7.8	1,649,500	1,536,910
Manufacturing Industries													
with unfilled orders	150,599	149,159	147,154	+1.0	+1.4	0.0	163,097	148,101	144,619	149,257	+9.3	882,540	812,721
without defense capital goods	271,759	269,416	267,291	+0.9	+0.8	0.0	292,504	272,372	266,482	270,117	+8.3	1,609,196	1,493,248
Durable goods industries	150,217	148,510	146,932	+1.1	+1.1	-0.3	164,706	151,188	147,235	148,762	+10.7	894,679	808,140
With unfilled orders	119,031	117,785	116,404	+1.1	+1.2	-0.2	130,918	117,237	114,154	119,458	+9.6	700,392	638,764
Stone, clay, and glass products	6,668	6,604	6,664	+1.0	-0.9	-0.3	7,342	6,708	6,868	6,378	+15.1	38,561	33,419
Primary metals	12,707	12,671	12,292	+0.3	+3.1	+0.4	13,502	12,989	12,594	12,286	+9.9	75,429	69,968
Blast furnaces, steel mills	5,597	5,669	5,555	-1.3	+2.1	+0.6	5,910	5,841	5,682	5,553	+6.4	34,135	31,761
Iron and steel foundries	1,156	1,157	1,158	-0.1	-0.1	-2.5	1,263	1,236	1,225	1,122	+12.6	7,222	6,385
Nonferrous and other primary metals	5,954	5,845	5,579	+1.9	+4.8	+0.8	6,329	5,912	5,687	5,611	+12.8	34,072	31,822
Fabricated metal products	14,975	15,057	14,981	-0.5	+0.5	-0.7	16,051	15,388	14,938	15,409	+4.2	90,556	84,663
Industrial machinery and equipment	26,974	26,947	26,396	+0.1	+2.1	-0.4	31,147	26,766	25,836	26,974	+15.5	161,394	140,956
Engines and turbines	1,984	1,779	1,700	+11.5	+4.6	-3.0	2,435	1,761	1,629	1,898	+28.3	10,754	9,043
Farm and garden machinery	1,695	1,811	1,740	-6.4	+4.1	-6.0	1,749	2,208	2,314	1,526	+14.6	12,053	10,180
Construction, mining and material handling equipment	2,668	2,670	2,595	-0.1	+2.9	-0.5	2,946	2,776	2,721	2,672	+10.3	16,394	15,159
Metalworking machinery	2,759	2,866	2,840	-3.7	+0.9	+4.4	2,994	2,924	2,642	2,724	+9.9	16,342	15,197
Computer and office equipment	7,306	7,170	7,189	+1.9	-0.3	-2.3	9,447	6,162	5,827	8,037	+17.5	41,889	35,493
Electronic and other electrical equipment	22,611	22,355	22,138	+1.1	+1.0	+3.3	24,343	21,862	21,225	20,958	+16.2	129,627	110,553
Electrical transmission and distribution equipment and industrial apparatus	2,628	2,578	2,562	+1.9	+0.6	-0.2	2,879	2,584	2,574	2,575	+11.8	15,727	14,374
Household appliances	1,922	1,884	1,881	+2.0	+0.2	+2.2	2,176	1,920	1,932	1,861	+16.9	11,193	9,697
Electric lighting and wiring equipment	1,735	1,756	1,777	-1.2	-1.2	+2.6	1,875	1,761	1,710	1,825	+2.7	10,487	10,032
Household audio and video equipment	996	1,076	1,018	-7.4	+5.7	+7.0	911	873	818	858	+6.2	5,221	4,771
Communications equipment	4,967	4,830	4,945	+2.8	-2.3	+5.9	5,562	4,620	4,607	4,404	+26.3	27,747	21,751
Electronic components	8,199	7,949	7,621	+3.1	+4.3	+0.1	8,642	7,939	7,514	7,346	+17.6	46,409	38,977
Transportation equipment	38,733	37,666	37,867	+2.8	-0.5	-2.5	42,457	40,352	39,739	39,396	+7.8	238,944	218,607
Motor vehicles and parts	27,530	26,899	26,851	+2.3	+0.2	+0.3	30,033	29,896	28,940	25,490	+17.8	172,206	146,359
Aircraft, missiles, space vehicles, and parts	8,389	7,983	8,259	+5.1	-3.3	-13.4	9,603	7,624	7,880	11,502	-16.5	50,631	57,743
Shipbuilding and tanks	1,029	1,136	1,017	-9.4	+11.7	+12.7	1,034	1,117	972	947	+9.2	5,834	5,660
Instruments and related products	11,382	11,043	10,899	+3.1	+1.3	+0.9	12,545	10,902	10,360	11,826	+6.1	65,182	63,164
Search and navigation equipment	2,444	2,502	2,522	-2.3	-0.8	+6.9	2,713	2,466	2,284	3,058	-11.3	14,521	16,035
Measuring and controlling devices	3,538	3,214	3,134	+10.1	+2.6	-2.2	3,786	3,154	3,032	3,041	+24.5	19,329	17,227
Medical instruments and supplies	2,996	2,967	2,931	+1.0	+1.2	-1.0	3,269	2,888	2,841	3,234	+1.1	17,711	17,363
Photographic goods	2,018	1,984	1,943	+1.7	+2.1	+1.0	2,357	2,009	1,834	2,137	+10.3	11,428	10,551
All other durable goods	16,167	16,167	15,695	0.0	+3.0	-0.6	17,319	16,221	15,675	15,535	+11.5	94,986	86,810
Nondurable goods industries	128,410	127,722	127,311	+0.5	+0.3	+0.2	135,195	127,760	125,718	129,424	+4.5	754,821	728,770
With unfilled orders	31,568	31,374	30,750	+0.6	+2.0	+0.6	32,179	30,864	30,465	29,799	+8.0	182,148	173,957
Food and kindred products	35,612	34,913	34,890	+2.0	+0.1	-3.0	37,007	35,282	33,898	35,711	+3.6	209,887	201,690
Meat products	7,821	7,837	7,890	-0.2	-0.7	-1.7	8,142	8,143	7,749	8,333	-2.3	47,509	46,918
Dairy products	4,573	4,591	4,578	-0.4	+0.3	-4.7	4,829	4,704	4,532	4,838	-0.2	27,674	26,611
Beverages	5,245	5,172	5,170	+1.4	0.0	-0.8	6,047	5,664	5,134	5,659	+6.9	30,929	28,946
All other foods, except fats and oils	16,102	15,521	15,527	+3.7	0.0	-3.2	16,118	14,979	14,758	15,136	+6.5	92,770	89,004
Tobacco products	2,321	2,525	3,212	-8.1	-21.4	+45.8	2,850	2,628	2,703	3,437	-17.1	16,111	15,939
Textile mill products	6,236	6,191	6,046	+0.7	+2.4	-1.4	6,905	6,190	5,869	6,448	+7.1	36,240	34,762
Broadwoven fabrics and other textiles	3,894	3,841	3,714	+1.4	+3.4	-2.5	4,237	3,933	3,635	3,838	+10.4	22,682	21,863
Paper and allied products	11,111	11,167	10,894	-0.5	+2.5	+0.3	11,636	11,101	10,667	11,216	+3.7	65,616	64,828
Pulp, paper, and paperboard mill products	4,401	4,400	4,248	0.0	+3.6	-0.5	4,612	4,387	4,149	4,542	+1.5	25,901	26,241
Paperboard containers and boxes	2,925	2,900	2,872	+0.9	+1.0	+2.8	3,054	2,930	2,922	2,725	+12.1	17,000	15,957
Miscellaneous converted paper products	3,785	3,867	3,774	-2.1	+2.5	-0.7	3,970	3,784	3,596	3,949	+0.5	22,715	22,630
Chemicals and allied products	28,132	28,021	27,792	+0.4	+0.8	+0.2	30,209	28,424	28,983	28,460	+6.1	168,713	159,544
Industrial chemicals	14,721	14,610	14,256	+0.8	+2.5	+0.7	15,663	14,873	14,721	14,314	+9.4	86,976	82,110
Drugs, soaps, and toiletries	10,151	10,195	10,229	-0.4	-0.3	+0.4	10,740	9,437	9,763	10,444	+2.8	59,711	57,157
Petroleum and coal products	12,117	11,864	11,880	+2.1	-0.1	+1.4	13,003	12,091	11,586	13,306	-2.3	67,605	74,905
Rubber and plastics products	9,458	9,441	9,300	+0.2	+1.5	0.0	10,274	9,701	9,514	9,387	+9.4	56,582	52,801
All other nondurable goods	23,423	23,600	23,297	-0.8	+1.3	+0.4	23,311	22,343	22,498	21,459	+8.6	134,067	124,301

[p] Preliminary. [r] Revised.

[1] Shipments and new orders are the totals for the period and are adjusted for trading-day and calendar-month variations.

See note at end of table 2 relating to survey variability.

Table 2. VALUE OF MANUFACTURERS' NEW ORDERS FOR INDUSTRY GROUPS
(Millions of dollars)

Industry	Seasonally adjusted						Not seasonally adjusted[1]						
	Monthly			Percent Change			Monthly				Percent change	Year to date	
	June 1994[p]	May 1994[r]	Apr. 1994	May-June	Apr.-May	Mar.-Apr.	June 1994[p]	May 1994[r]	Apr. 1994	June 1993	June 94/93	1994[p]	1993
All manufacturing industries	279,613	277,441	275,182	+0.8	+0.8	+0.2	298,461	279,116	274,600	272,580	+9.5	1,661,771	1,524,068
nufacturing industries													
ith unfilled orders	151,585	150,368	148,093	+0.8	+1.5	+0.5	161,657	148,269	146,266	143,651	+12.5	894,811	799,879
ithout defense capital goods	272,805	270,261	268,902	+0.9	+0.5	-0.3	291,260	273,195	269,416	267,140	+9.0	1,625,062	1,487,002
rable goods industries	151,156	149,412	147,345	+1.2	+1.4	+0.3	163,274	150,852	148,187	143,151	+14.1	903,091	794,136
Vith unfilled orders	119,970	118,687	116,817	+1.1	+1.6	+0.6	129,486	116,901	115,106	113,847	+13.7	708,804	624,760
one, clay, and glass products	6,432	6,541	6,820	-1.7	-4.1	+2.3	6,952	6,893	7,216	6,063	+14.7	39,083	34,337
mary metals	13,062	13,350	12,581	-2.2	+6.1	-5.1	13,457	13,481	12,715	11,517	+16.8	79,844	72,244
Blast furnaces, steel mills	5,622	5,753	5,790	-2.3	-0.6	+0.4	5,752	5,653	5,823	5,336	+7.8	35,539	33,916
Iron and steel foundries	1,248	1,233	1,166	+1.2	+5.7	-10.3	1,332	1,318	1,175	990	+34.5	7,684	6,324
Nonferrous and other primary metals	6,192	6,364	5,625	-2.7	+13.1	-9.2	6,373	6,510	5,717	5,191	+22.8	36,621	32,004
bricated metal products	14,981	15,336	14,960	-2.3	+2.5	-3.6	16,057	15,489	14,841	14,749	+8.9	91,100	83,393
dustrial machinery and equipment	28,515	27,993	28,012	+1.9	-0.1	+0.7	32,349	27,823	27,380	26,248	+23.2	168,560	140,935
Engines and turbines	1,978	1,928	1,647	+2.6	+17.1	-1.8	2,526	1,803	1,380	2,046	+23.5	10,270	8,589
Construction, mining and material handling equipment	2,874	2,771	2,808	+3.7	-1.3	+0.5	3,026	2,765	2,885	2,389	+26.7	17,199	15,110
Metalworking machinery	3,202	2,888	3,006	+10.9	-3.9	-5.5	3,437	2,946	2,808	2,914	+17.9	18,162	14,722
Computer and office equipment	7,531	7,617	7,728	-1.1	-1.4	-0.1	9,563	7,222	6,489	7,853	+21.8	44,058	35,994
ectronic and other electrical equipment	22,337	22,175	23,360	+0.7	-5.1	+8.7	23,146	21,360	23,293	20,514	+12.8	131,641	110,918
Electrical transmission and distribution equipment and industrial apparatus	2,590	2,551	2,604	+1.5	-2.0	+1.3	2,806	2,543	2,624	2,491	+12.6	15,986	14,560
Electric lighting and wiring equipment	1,736	1,806	1,828	-3.9	-1.2	+5.1	1,876	1,811	1,761	1,804	+4.0	10,654	10,174
Communications equipment	4,726	4,428	5,038	+6.7	-12.1	+5.2	5,317	4,168	4,765	4,873	+9.1	27,334	21,698
Electronic components	7,906	7,962	8,524	-0.7	-6.6	+9.5	7,561	7,778	9,219	6,611	+14.4	47,941	38,743
ansportation equipment	37,900	37,080	35,933	+2.2	+3.2	-0.9	41,551	38,967	37,631	38,284	+8.5	234,296	202,950
Aircraft, missiles, space vehicles, and parts	7,981	8,140	6,588	-2.0	+23.6	+8.1	9,324	7,068	5,924	10,543	-11.6	47,035	42,622
Shipbuilding and tanks	374	514	628	-27.2	-18.2	+12.3	374	544	649	651	-42.5	3,230	4,514
struments and related products	11,756	10,418	10,146	+12.8	+2.7	+1.0	12,659	10,044	9,187	10,326	+22.6	62,334	61,192
Search and navigation equipment	3,063	2,098	1,929	+46.0	+8.8	+31.9	3,071	1,806	1,296	1,827	+68.1	11,958	14,532
Measuring and controlling devices	3,463	3,090	3,243	+12.1	-4.7	-5.9	3,711	3,030	3,141	3,016	+23.0	19,634	17,171
Medical instruments and supplies	2,863	2,886	2,756	-0.8	+4.7	-0.9	3,136	2,807	2,666	2,976	+5.4	17,135	16,972
ll other durable goods	16,173	16,519	15,533	-2.1	+6.3	-1.9	17,103	16,795	15,924	15,450	+10.7	96,233	88,167
ondurable goods industries	128,457	128,029	127,837	+0.3	+0.2	0.0	135,187	128,264	126,413	129,429	+4.4	758,680	729,932
With unfilled orders	31,615	31,681	31,276	-0.2	+1.3	+0.1	32,171	31,368	31,160	29,804	+7.9	186,007	175,119

[p] Preliminary. [r] Revised.

[1] Shipments and new orders are the totals for the period and are adjusted for trading-day and calendar-month variations.

(n) When new orders for a prior month are negative because of cancellations, the percentage change calculation is algebraically negative, even though there is a net dollar ncrease from the prior month to the current month.

Note : Estimates of manufacturers' shipments, inventories and orders are subject to survey variability and revision. Since the survey panel is not a probability sample, stimates of sampling variability cannot be calculated. Further details on survey design, methodology, and data limitation are contained in our most recent annual benchmark ublication, Current Industrial Reports: M3-1(92), "Manufacturers' Shipments, Inventories, and Orders: 1982-1992."

Table 3. VALUE OF MANUFACTURERS' UNFILLED ORDERS FOR INDUSTRY GROUPS
(Millions of dollars)

Industry	Seasonally adjusted						Not seasonally adjusted				
	Monthly			Percent Change			Monthly				Percent change
	June 1994[p]	May 1994[r]	Apr. 1994	May-June	Apr.-May	Mar.-Apr.	June 1994[p]	May 1994[r]	Apr. 1994	June 1993	June 94/93
All manufacturing industries	449,532	448,546	447,337	+0.2	+0.3	+0.2	450,629	452,069	451,901	459,344	-1.9
Manufacturing industries without defense capital goods	336,000	334,954	334,109	+0.3	+0.3	+0.5	337,086	338,330	337,507	336,160	+0.3
Durable goods industries	425,522	424,583	423,681	+0.2	+0.2	+0.1	426,039	427,471	427,807	436,121	-2.3
Stone, clay, and glass products	7,236	7,472	7,535	-3.2	-0.8	+2.1	7,341	7,731	7,546	7,310	+0.4
Primary metals	25,381	25,026	24,347	+1.4	+2.8	+1.2	25,963	26,008	25,516	22,952	+13.1
Blast furnaces, steel mills	10,973	10,948	10,864	+0.2	+0.8	+2.2	11,116	11,274	11,462	10,577	+5.1
Iron and steel foundries	3,523	3,431	3,355	+2.7	+2.3	+0.2	3,505	3,436	3,354	2,769	+26.6
Nonferrous and other primary metals	10,885	10,647	10,128	+2.2	+5.1	+0.5	11,342	11,298	10,700	9,606	+18.1
Fabricated metal products	20,565	20,559	20,280	0.0	+1.4	-0.1	20,590	20,584	20,483	21,491	-4.2
Industrial machinery and equipment	60,211	58,670	57,624	+2.6	+1.8	+2.9	60,144	58,942	57,885	50,098	+20.1
Engines and turbines	10,009	10,015	9,866	-0.1	+1.5	-0.5	9,655	9,564	9,522	9,602	+0.6
Construction, mining and material handling equipment	6,690	6,484	6,383	+3.2	+1.6	+3.5	6,596	6,516	6,527	5,550	+18.8
Metalworking machinery	9,155	8,712	8,690	+5.1	+0.3	+1.9	9,155	8,712	8,690	6,858	+33.5
Computer and office equipment	9,006	8,781	8,334	+2.6	+5.4	+6.9	9,420	9,304	8,244	7,622	+23.6
Electronic and other electrical equipment	46,902	47,176	47,356	-0.6	-0.4	+2.6	46,452	47,649	48,151	42,452	+9.4
Electrical transmission and distribution equipment and industrial apparatus	6,062	6,100	6,127	-0.6	-0.4	+0.7	6,029	6,102	6,143	5,738	+5.1
Electric lighting and wiring equipment	3,404	3,403	3,353	0.0	+1.5	+1.5	3,404	3,403	3,353	3,122	+9.0
Communications equipment	14,663	14,904	15,306	-1.6	-2.6	+0.6	14,619	14,864	15,316	13,369	+9.3
Electronic components	16,855	17,148	17,135	-1.7	+0.1	+5.6	16,636	17,717	17,878	15,448	+7.7
Transportation equipment	208,422	209,255	209,841	-0.4	-0.3	-0.9	208,828	209,734	211,119	230,189	-9.3
Aircraft, missiles, space vehicles, and parts	179,953	180,361	180,204	-0.2	+0.1	-0.9	180,429	180,708	181,264	202,055	-10.7
Shipbuilding and tanks	16,647	17,302	17,924	-3.8	-3.5	-2.1	16,692	17,352	17,925	20,068	-16.8
Instruments and related products	48,959	48,585	49,210	+0.8	-1.3	-1.5	48,546	48,432	49,290	53,615	-9.5
Search and navigation equipment	32,148	31,529	31,933	+2.0	-1.3	-1.8	31,727	31,369	32,029	35,652	-11.0
Measuring and controlling devices	9,137	9,212	9,336	-0.8	-1.3	+1.2	9,137	9,212	9,336	9,137	0.0
Medical instruments and supplies	6,880	7,013	7,094	-1.9	-1.1	-2.4	6,880	7,013	7,094	8,032	-14.3
All other durable goods	7,846	7,840	7,488	+0.1	+4.7	-2.1	8,175	8,391	7,817	8,014	+2.0
Nondurable goods industries	24,010	23,963	23,656	+0.2	+1.3	+2.3	24,590	24,598	24,094	23,223	+5.9

[p] Preliminary. [r] Revised.

See note at end of table 2 relating to survey variability.

Table 4. VALUE OF MANUFACTURERS' INVENTORIES FOR INDUSTRY GROUPS
(Millions of dollars)

Industry	Seasonally adjusted						Not seasonally adjusted				
	Monthly			Percent Change			Monthly				Percent change
	June 1994[p]	May 1994[r]	Apr. 1994	May-June	Apr.-May	Mar.-Apr.	June 1994[p]	May 1994[r]	Apr. 1994	June 1993	June 94/93
All manufacturing industries	382,717	382,382	380,645	+0.1	+0.5	+0.2	381,514	385,391	382,017	379,758	+0.5
Manufacturing industries											
With unfilled orders	253,842	253,870	252,342	0.0	+0.6	+0.4	254,150	256,926	253,616	251,621	+1.0
Without defense capital goods	358,172	357,438	355,126	+0.2	+0.7	+0.3	356,804	360,167	356,387	350,982	+1.7
Durable goods industries	240,813	240,539	239,164	+0.1	+0.6	+0.4	240,326	243,001	240,081	236,961	+1.4
With unfilled orders	220,483	220,516	219,041	0.0	+0.7	+0.5	220,458	223,076	219,878	218,042	+1.1
Stone, clay, and glass products	7,373	7,469	7,501	-1.3	-0.4	-0.6	7,402	7,643	7,674	7,717	-4.1
Primary metals	19,631	19,601	19,527	+0.2	+0.4	-0.1	19,523	19,622	19,499	19,059	+2.4
Blast furnaces, steel mills	9,533	9,529	9,477	0.0	+0.5	-0.2	9,352	9,417	9,281	9,237	+1.2
Iron and steel foundries	1,505	1,493	1,460	+0.8	+2.3	+0.3	1,526	1,536	1,504	1,393	+9.5
Nonferrous and other primary metals	8,593	8,579	8,590	+0.2	-0.1	-0.1	8,645	8,669	8,714	8,429	+2.6
Fabricated metal products	23,169	23,062	22,949	+0.5	+0.5	+0.4	23,454	23,313	23,152	23,267	+0.8
Industrial machinery and equipment	48,427	48,121	47,888	+0.6	+0.5	+0.9	47,901	48,596	47,946	44,624	+7.3
Engines and turbines	3,599	3,690	3,583	-2.5	+3.0	+1.3	3,574	3,771	3,608	3,524	+1.4
Farm and garden machinery	2,469	2,354	2,422	+4.9	-2.8	+0.4	2,338	2,283	2,390	2,033	+15.0
Construction, mining and material handling equipment	5,778	5,765	5,741	+0.2	+0.4	+0.7	5,824	5,837	5,823	5,902	-1.3
Metalworking machinery	5,504	5,423	5,393	+1.5	+0.6	+2.4	5,482	5,450	5,443	5,183	+5.8
Computer and office equipment	11,999	11,835	11,834	+1.4	0.0	+1.3	11,555	11,995	11,683	9,958	+16.0
Electronic and other electrical equipment	36,444	36,071	35,519	+1.0	+1.6	+1.5	36,834	36,945	35,924	32,897	+12.0
Electrical transmission and distribution equipment and industrial apparatus	4,384	4,327	4,280	+1.3	+1.1	+0.3	4,425	4,411	4,348	4,390	+0.8
Household appliances	2,555	2,575	2,577	-0.8	-0.1	0.0	2,675	2,814	2,762	2,680	-0.2
Electric lighting and wiring equipment	2,952	2,934	2,933	+0.6	0.0	-1.3	3,041	3,004	2,976	2,953	+3.0
Household audio and video equipment	1,088	1,075	1,061	+1.2	+1.3	+1.0	1,164	1,094	1,037	1,191	-2.3
Communications equipment	10,756	10,595	10,259	+1.5	+3.3	+3.2	10,777	10,893	10,377	8,289	+30.0
Electronic components	11,422	11,287	11,163	+1.2	+1.1	+1.7	11,399	11,357	11,145	9,968	+14.4
Transportation equipment	60,345	60,862	60,557	-0.8	+0.5	+0.3	59,565	60,993	60,423	64,547	-7.7
Motor vehicles and parts	12,033	12,032	11,744	0.0	+2.5	+0.8	11,505	11,688	11,547	10,954	+5.0
Aircraft, missiles, space vehicles, and parts	44,335	44,718	44,678	-0.9	+0.1	+0.2	44,126	45,177	44,747	49,154	-10.2
Shipbuilding and tanks	1,469	1,587	1,624	-7.4	-2.3	-0.5	1,468	1,638	1,642	1,919	-23.5
Instruments and related products	21,992	22,002	21,815	0.0	+0.9	0.0	22,170	22,309	21,934	22,882	-3.1
Search and navigation equipment	5,808	5,757	5,692	+0.9	+1.1	+0.5	5,853	5,818	5,717	6,043	-3.1
Measuring and controlling devices	6,514	6,492	6,452	+0.3	+0.6	-0.4	6,553	6,566	6,480	6,634	-1.2
Medical instruments and supplies	6,212	6,238	6,149	-0.4	+1.4	+0.2	6,243	6,325	6,153	6,345	-1.6
Photographic goods	2,652	2,714	2,727	-2.3	-0.5	-0.7	2,692	2,780	2,770	3,048	-11.7
All other durable goods	23,432	23,351	23,408	+0.3	-0.2	-0.6	23,477	23,580	23,529	21,968	+6.9
Nondurable goods industries	141,904	141,843	141,481	0.0	+0.3	-0.1	141,188	142,390	141,936	142,797	-1.1
With unfilled orders	33,359	33,354	33,301	0.0	+0.2	0.0	33,692	33,850	33,738	33,579	+0.3
Food and kindred products	30,500	30,564	30,441	-0.2	+0.4	+0.3	29,139	29,475	29,682	28,814	+1.1
Meat products	3,465	3,429	3,355	+1.0	+2.2	+3.0	3,496	3,486	3,441	3,095	+13.0
Dairy products	2,674	2,715	2,718	-1.5	-0.1	+0.7	2,786	2,812	2,768	2,927	-4.8
Beverages	5,304	5,299	5,308	+0.1	-0.2	-0.2	5,283	5,300	5,337	5,311	-0.5
All other foods, except fats and oils	17,212	17,178	17,150	+0.2	+0.2	-0.2	15,801	15,943	16,184	16,061	-1.6
Tobacco products	5,982	6,019	5,982	-0.6	+0.6	-2.0	5,653	5,844	6,021	6,418	-11.9
Textile mill products	9,701	9,681	9,675	+0.2	+0.1	-0.2	9,807	10,020	9,924	9,339	+5.0
Broadwoven fabrics and other textiles	5,434	5,431	5,415	+0.1	+0.3	+0.2	5,434	5,572	5,556	5,291	+2.7
Paper and allied products	13,460	13,486	13,466	-0.2	+0.1	+0.1	13,524	13,746	13,739	13,560	-0.3
Pulp, paper, and paperboard mill products	5,708	5,782	5,823	-1.3	-0.7	-0.2	5,691	5,895	5,926	5,661	+0.5
Paperboard containers and boxes	3,195	3,182	3,178	+0.4	+0.1	+0.5	3,208	3,197	3,214	3,240	-1.0
Miscellaneous converted paper products	4,557	4,522	4,465	+0.8	+1.3	0.0	4,625	4,654	4,599	4,659	-0.7
Chemicals and allied products	33,913	34,082	34,072	-0.5	0.0	+0.1	33,681	34,345	34,386	34,709	-3.0
Industrial chemicals	15,993	16,118	16,075	-0.8	+0.3	+0.1	15,913	16,117	16,076	17,041	-6.6
Drugs, soaps, and toiletries	13,503	13,560	13,583	-0.4	-0.2	+0.2	13,625	13,898	13,705	13,597	+0.2
Petroleum and coal products	10,380	10,296	10,179	+0.8	+1.1	-0.3	10,548	10,471	10,126	11,448	-7.9
Rubber and plastics products	12,437	12,348	12,367	+0.7	-0.2	-0.3	12,355	12,466	12,516	12,044	+2.6
All other nondurable goods	25,531	25,367	25,299	+0.6	+0.3	-0.1	26,481	26,023	25,542	26,465	+0.1

[p] Preliminary. [r] Revised.

See note at end of table 2 relating to survey variability.

Table 5. VALUE OF MANUFACTURERS' SHIPMENTS AND NEW ORDERS FOR TOPICAL SERIES[1]
(Millions of dollars)

Industry	Seasonally adjusted						Not seasonally adjusted [2]						
	Monthly			Percent Change			Monthly				Percent change	Year to date	
	June 1994[p]	May 1994[r]	Apr. 1994	May-June	Apr.-May	Mar.-Apr.	June 1994[p]	May 1994[r]	Apr. 1994	June 1993	June 94/93	1994[p]	1993
SHIPMENTS													
All manufacturing industries	278,627	276,232	274,243	+0.9	+0.7	-0.1	299,901	278,948	272,953	278,186	+7.8	1,649,500	1,536,910
Market categories :													
Automotive equipment	13,884	13,522	13,627	+2.7	-0.8	+0.3	14,999	14,955	14,722	12,822	+17.0	86,557	74,165
Home goods and apparel	18,772	19,169	18,951	-2.1	+1.2	0.0	19,578	17,930	17,759	18,437	+6.2	108,600	100,762
Consumer staples	58,294	57,656	58,275	+1.1	-1.1	+0.5	61,300	57,358	56,146	60,200	+1.8	342,741	336,008
Machinery and equipment	49,153	48,341	47,967	+1.7	+0.8	-1.4	55,524	48,790	47,402	49,839	+11.4	292,596	261,521
Business supplies	21,008	20,834	20,591	+0.8	+1.2	+0.6	21,750	20,949	21,119	20,229	+7.5	122,618	116,443
Construction materials and supplies	17,637	17,680	17,690	-0.2	-0.1	-0.5	19,357	18,246	17,839	18,131	+6.8	105,085	97,250
Defense products	7,266	7,277	7,346	-0.2	-0.9	-1.2	7,771	7,079	6,936	8,334	-6.8	42,853	45,156
Other materials, supplies and and intermediate products	92,613	91,753	89,796	+0.9	+2.2	+0.2	99,622	93,641	91,030	90,194	+10.5	548,450	505,605
Durable goods industries :													
Nondefense capital goods [3]	36,834	36,225	35,873	+1.7	+1.0	-1.5	42,625	35,116	34,101	38,768	+9.9	216,205	195,863
Excluding aircraft and parts	32,104	31,883	31,288	+0.7	+1.9	+1.3	36,923	30,954	29,650	31,576	+16.9	187,236	161,778
Defense capital goods [4]	6,868	6,816	6,952	+0.8	-2.0	-2.6	7,397	6,576	6,471	8,069	-8.3	40,304	43,662
Durables excluding capital goods	106,515	105,469	104,107	+1.0	+1.3	+0.3	114,684	109,496	106,663	101,925	+12.5	638,170	568,615
Miscellaneous series :													
Producers' durable equipment	96,852	95,528	94,821	+1.4	+0.7	-0.5	107,286	97,818	95,067	95,388	+12.5	581,359	516,751
Household durable goods	8,081	8,101	8,000	-0.2	+1.3	+1.5	8,354	7,707	7,701	7,653	+9.2	46,310	42,615
Information technology industries	18,013	17,439	17,389	+3.3	+0.3	+0.5	21,345	16,191	15,441	17,852	+19.6	101,645	86,495
Health care equipment and products	8,508	8,503	8,483	+0.1	+0.2	-0.1	9,102	8,023	8,147	8,901	+2.3	50,151	48,385
NEW ORDERS													
All manufacturing industries	279,613	277,441	275,182	+0.8	+0.8	+0.2	298,461	279,116	274,600	272,580	+9.5	1,661,771	1,524,068
Market categories :													
Automotive equipment	13,949	13,540	13,635	+3.0	-0.7	+0.2	15,018	14,945	14,742	12,783	+17.5	86,676	74,237
Home goods and apparel	18,723	19,414	19,005	-3.6	+2.2	-0.7	19,448	18,310	18,117	18,571	+4.7	111,008	103,004
Consumer staples	58,270	57,709	58,295	+1.0	-1.0	+0.5	61,343	57,355	56,160	60,250	+1.8	342,726	335,991
Machinery and equipment	50,043	47,359	47,629	+5.7	-0.6	-0.9	56,058	47,786	47,341	49,946	+12.2	294,194	252,349
Business supplies	20,936	20,927	20,636	0.0	+1.4	+0.2	21,630	21,120	21,108	20,155	+7.3	122,961	116,332
Construction materials and supplies	17,696	17,804	17,749	-0.6	+0.3	-2.1	19,401	18,412	18,022	17,703	+9.6	106,314	97,674
Defense products	7,319	7,713	6,416	-5.1	+20.2	+18.9	7,758	6,492	5,229	5,813	+33.5	39,648	38,594
Other materials, supplies and and intermediate products	92,677	92,975	91,817	-0.3	+1.3	+0.1	97,805	94,696	93,881	87,359	+12.0	558,244	505,887
Durable goods industries :													
Nondefense capital goods [3]	37,579	35,498	35,815	+5.9	-0.9	-0.9	42,991	34,311	34,118	38,698	+11.1	218,460	185,004
Excluding aircraft and parts	34,020	32,103	32,936	+6.0	-2.5	-0.4	38,460	31,096	31,373	31,311	+22.8	195,091	162,848
Defense capital goods [4]	6,808	7,180	6,280	-5.2	+14.3	+28.1	7,201	5,921	5,184	5,440	+32.4	36,709	37,066
Durables excluding capital goods	106,769	106,734	105,250	0.0	+1.4	-0.6	113,082	110,620	108,885	99,013	+14.2	647,922	572,066
Miscellaneous series :													
Producers' durable equipment	98,908	95,468	94,938	+3.6	+0.6	-0.7	108,520	97,591	95,599	95,086	+14.1	587,777	509,867
Household durable goods	8,144	8,501	7,813	-4.2	+8.8	-1.3	8,226	8,037	7,851	7,510	+9.5	47,506	43,701
Information technology industries	18,565	17,223	17,849	+7.8	-3.5	-0.4	21,789	16,611	16,002	17,871	+21.9	103,808	87,330
Health care equipment and products	8,376	8,422	8,308	-0.5	+1.4	-0.1	8,970	7,943	7,972	8,643	+3.8	49,575	47,995

[p] Preliminary. [r] Revised.

[1] Topical series are regroupings of the separate industry categories.

[2] Shipments and new orders are the totals for the period and are adjusted for trading-day and calendar-month variations.

[3] Nondefense capital goods industries include : ordnance and accessories; steam, gas and hydraulic turbines; internal combustion engines; construction, mining, and ma handling equipment; metalworking machinery; special industry machinery; general industrial machinery; computer and office equipment; refrigeration, heating and s industry machinery; electrical transmission and distribution equipment; electrical industrial apparatus; communications equipment; aircraft, missiles, space vehicles, and en and parts; ships and tank components; railroad equipment; and search and navigation equipment.

[4] Defense capital goods industries include : ordnance and accessories; communications equipment; aircraft, missiles, space vehicles, and engines and parts; ships, and tank components; and search and navigation equipment.

See note at end of table 2 relating to survey variability.

Table 6. VALUE OF MANUFACTURERS' UNFILLED ORDERS AND TOTAL INVENTORIES FOR TOPICAL SERIES[1]
(Millions of dollars)

Industry	Seasonally adjusted						Not seasonally adjusted				
	Monthly			Percent Change			Monthly				Percent change
	June 1994[p]	May 1994[r]	Apr. 1994	May-June	Apr.-May	Mar.-Apr.	June 1994[p]	May 1994[r]	Apr. 1994	June 1993	June 94/93
UNFILLED ORDERS											
All manufacturing industries	449,532	448,546	447,337	+0.2	+0.3	+0.2	450,629	452,069	451,901	459,344	-1.9
Market categories :											
Automotive equipment	2,057	1,993	1,974	+3.2	+1.0	+0.4	2,021	2,002	2,012	1,657	+22.0
Home goods and apparel	10,658	10,707	10,462	-0.5	+2.3	+0.5	11,070	11,200	10,820	10,833	+2.2
Consumer staples	1,474	1,498	1,445	-1.6	+3.7	+1.4	1,461	1,418	1,421	1,422	+2.7
Machinery and equipment	181,559	180,670	181,652	+0.5	-0.5	-0.2	181,822	181,288	182,292	188,333	-3.5
Business supplies	5,667	5,739	5,646	-1.3	+1.6	+0.8	5,710	5,830	5,659	5,577	+2.4
Construction materials and supplies	14,881	14,821	14,698	+0.4	+0.8	+0.4	15,104	15,060	14,894	14,751	+2.4
Defense products	107,762	107,709	107,273	0.0	+0.4	-0.9	107,704	107,718	108,304	116,774	-7.8
Other materials, supplies and and intermediate products	125,474	125,409	124,187	+0.1	+1.0	+1.7	125,737	127,553	126,499	119,997	+4.8
Durable goods industries :											
Nondefense capital goods [3]	199,675	198,930	199,657	+0.4	-0.4	0.0	199,592	199,226	200,031	206,325	-3.3
Excluding aircraft and parts	83,596	81,680	81,460	+2.3	+0.3	+2.1	83,513	81,976	81,834	71,330	+17.1
Defense capital goods [4]	113,532	113,592	113,228	-0.1	+0.3	-0.6	113,543	113,739	114,394	123,184	-7.8
Durables excluding capital goods	112,315	112,061	110,796	+0.2	+1.1	+1.0	112,904	114,506	113,382	106,612	+5.9
Miscellaneous series :											
Producers' durable equipment	212,514	210,458	210,518	+1.0	0.0	+0.1	212,561	211,327	211,554	211,490	+0.5
Household durable goods	5,923	5,860	5,460	+1.1	+7.3	-3.3	6,031	6,159	5,829	5,512	+9.4
Information technology industries	33,828	33,276	33,492	+1.7	-0.6	+1.4	34,249	33,805	33,385	31,951	+7.2
Health care equipment and products	6,910	7,043	7,123	-1.9	-1.1	-2.4	6,910	7,043	7,123	8,062	-14.3
TOTAL INVENTORIES											
All manufacturing industries	382,717	382,382	380,645	+0.1	+0.5	+0.2	381,514	385,391	382,017	379,758	+0.5
Market categories :											
Automotive equipment	6,093	6,095	6,033	0.0	+1.0	-0.5	5,898	6,024	5,992	5,999	-1.7
Home goods and apparel	30,879	30,731	30,693	+0.5	+0.1	-0.3	32,083	31,993	31,177	31,298	+2.5
Consumer staples	57,962	58,003	57,773	-0.1	+0.4	0.0	56,733	57,331	57,221	58,103	-2.4
Machinery and equipment	91,797	91,550	90,237	+0.3	+1.5	+1.0	91,177	92,844	90,595	87,654	+4.0
Business supplies	20,975	21,044	21,036	-0.3	0.0	0.0	20,995	21,160	21,218	21,507	-2.4
Construction materials and supplies	24,489	24,340	24,273	+0.6	+0.3	-0.8	24,728	24,659	24,587	23,630	+4.6
Defense products	23,662	23,933	24,439	-1.1	-2.1	-0.4	23,787	24,177	24,580	27,119	-12.3
Other materials, supplies and and intermediate products	126,860	126,686	126,161	+0.1	+0.4	+0.3	126,113	127,203	126,647	124,448	+1.3
Durable goods industries :											
Nondefense capital goods [3]	86,859	86,524	85,212	+0.4	+1.5	+1.2	86,273	87,825	85,527	82,469	+4.6
Excluding aircraft and parts	60,308	59,880	59,294	+0.7	+1.0	+1.2	60,087	60,930	59,642	55,049	+9.2
Defense capital goods [4]	24,545	24,944	25,519	-1.6	-2.3	-0.3	24,710	25,224	25,630	28,776	-14.1
Durables excluding capital goods	129,409	129,071	128,433	+0.3	+0.5	0.0	129,343	129,952	128,924	125,716	+2.9
Miscellaneous series :											
Producers' durable equipment	147,239	146,844	145,129	+0.3	+1.2	+0.6	146,754	148,606	145,692	141,590	+3.6
Household durable goods	13,529	13,506	13,546	+0.2	-0.3	-0.5	13,872	13,940	13,673	13,697	+1.3
Information technology industries	32,657	32,288	32,022	+1.1	+0.8	+1.2	32,313	32,891	32,064	29,017	+11.4
Health care equipment and products	13,548	13,604	13,525	-0.4	+0.6	+0.2	13,643	13,872	13,596	13,723	-0.6

See footnotes at end of table 5.

See note at end of table 2 relating to survey variability.

Table 7. VALUE OF MANUFACTURERS' INVENTORIES, BY STAGE OF FABRICATION, BY INDUSTRY GROUP
(Millions of dollars)

Industry	Seasonally adjusted						Not seasonally adjusted				
	Monthly			Percent Change			Monthly				Percent change June 94/93
	June 1994[p]	May 1994[r]	Apr. 1994	May-June	Apr.-May	Mar.-Apr.	June 1994[p]	May 1994[r]	Apr. 1994	June 1993	
MATERIALS AND SUPPLIES											
All manufacturing industries	122,757	122,184	121,281	+0.5	+0.7	+0.6	122,074	121,542	120,787	120,138	+1.6
Durable goods industries	70,628	70,231	69,576	+0.6	+0.9	+1.2	70,089	69,755	68,899	67,478	+3.9
Stone, clay, and glass products	2,521	2,580	2,570	-2.3	+0.4	-0.6	2,521	2,575	2,537	2,518	+0.1
Primary metals	6,031	6,034	5,937	0.0	+1.6	+0.3	5,992	5,875	5,763	6,119	-2.1
Fabricated metal products	7,930	7,854	7,775	+1.0	+1.0	+1.1	7,947	7,702	7,643	7,707	+3.1
Industrial machinery and equipment	15,374	15,251	14,965	+0.8	+1.9	+3.3	15,318	15,281	14,892	14,252	+7.5
Electronic and other electrical equipment	11,854	11,609	11,432	+2.1	+1.5	+1.6	11,807	11,690	11,451	10,352	+14.1
Transportation equipment	10,947	10,945	10,924	0.0	+0.2	+1.0	10,776	10,957	10,975	11,481	-6.1
Instruments and related products	6,670	6,723	6,711	-0.8	+0.2	0.0	6,714	6,784	6,720	6,800	-1.3
Lumber, furniture and miscellaneous durable goods	9,301	9,235	9,262	+0.7	-0.3	-0.6	9,014	8,891	8,918	8,249	+9.3
Nondurable goods industries	52,129	51,953	51,705	+0.3	+0.5	-0.2	51,985	51,787	51,888	52,660	-1.3
Food and kindred products	10,023	9,916	9,901	+1.1	+0.2	-0.7	9,880	9,801	9,977	10,088	-2.1
Tobacco products	5,083	5,116	5,120	-0.6	-0.1	-1.4	4,828	4,996	5,160	5,056	-4.5
Textile mill products	2,778	2,785	2,758	-0.3	+1.0	+0.1	2,821	2,864	2,792	2,659	+6.1
Paper and allied products	6,640	6,658	6,642	-0.3	+0.2	-0.4	6,635	6,637	6,655	6,737	-1.5
Chemicals and allied products	11,235	11,272	11,250	-0.3	+0.2	+0.4	11,298	11,300	11,248	11,565	-2.3
Petroleum and coal products	3,089	3,024	2,975	+2.1	+1.6	+0.7	3,154	3,089	2,984	3,248	-2.9
Rubber and plastics products	4,579	4,546	4,544	+0.7	0.0	-0.6	4,519	4,527	4,546	4,338	+4.2
Apparel, printing and publishing and leather goods	8,702	8,636	8,515	+0.8	+1.4	+0.5	8,850	8,573	8,526	8,969	-1.3
WORK IN PROCESS											
All manufacturing industries	129,612	128,909	128,164	+0.5	+0.6	-0.3	128,817	129,516	128,335	128,931	-0.1
Durable goods industries	106,041	105,506	104,959	+0.5	+0.5	-0.1	105,586	106,181	105,016	106,123	-0.5
Stone, clay, and glass products	1,042	1,053	1,069	-1.0	-1.5	+2.7	1,055	1,089	1,117	1,135	-7.0
Primary metals	7,359	7,269	7,234	+1.2	+0.5	-0.5	7,318	7,274	7,268	6,903	+6.0
Fabricated metal products	7,447	7,468	7,345	-0.3	+1.7	-1.2	7,425	7,533	7,337	7,563	-1.8
Industrial machinery and equipment	19,398	18,621	18,834	+4.2	-1.1	-1.0	19,114	18,695	18,780	17,333	+10.3
Electronic and other electrical equipment	15,042	14,916	14,550	+0.8	+2.5	+0.6	15,088	15,184	14,691	13,765	+9.6
Transportation equipment	41,483	41,920	41,707	-1.0	+0.5	+0.4	41,163	42,007	41,525	44,773	-8.1
Instruments and related products	9,338	9,306	9,243	+0.3	+0.7	-0.2	9,427	9,372	9,257	9,997	-5.7
Lumber, furniture and miscellaneous durable goods	4,932	4,953	4,977	-0.4	-0.5	-0.7	4,996	5,027	5,041	4,654	+7.3
Nondurable goods industries	23,571	23,403	23,205	+0.7	+0.9	-0.9	23,231	23,335	23,319	22,808	+1.9
Food and kindred products	4,105	4,034	4,020	+1.8	+0.3	+0.4	3,825	3,753	3,886	3,519	+8.7
Tobacco products	172	167	191	+3.0	-12.6	+6.7	126	129	157	139	-9.4
Textile mill products	2,599	2,571	2,562	+1.1	+0.4	-1.7	2,598	2,613	2,585	2,460	+5.6
Paper and allied products	1,211	1,214	1,188	-0.2	+2.2	+0.8	1,240	1,225	1,206	1,249	-0.7
Chemicals and allied products	5,451	5,480	5,430	-0.5	+0.9	-3.9	5,389	5,587	5,489	5,629	-4.3
Petroleum and coal products	2,259	2,255	2,230	+0.2	+1.1	-2.2	2,302	2,278	2,262	2,618	-12.1
Rubber and plastics products	1,811	1,789	1,769	+1.2	+1.1	+0.2	1,753	1,776	1,768	1,692	+3.6
Apparel, printing and publishing and leather goods	5,963	5,893	5,815	+1.2	+1.3	+1.1	5,998	5,974	5,966	5,502	+9.0
FINISHED GOODS											
All manufacturing industries	130,348	131,289	131,200	-0.7	+0.1	+0.4	130,623	134,333	132,895	130,689	-0.1
Durable goods industries	64,144	64,802	64,629	-1.0	+0.3	+0.4	64,651	67,065	66,166	63,360	+2.0
Stone, clay, and glass products	3,810	3,836	3,862	-0.7	-0.7	-1.5	3,826	3,979	4,020	4,064	-5.9
Primary metals	6,241	6,298	6,356	-0.9	-0.9	-0.1	6,213	6,473	6,468	6,037	+2.9
Fabricated metal products	7,792	7,740	7,829	+0.7	-1.1	+1.4	8,082	8,078	8,172	7,997	+1.1
Industrial machinery and equipment	13,655	14,249	14,089	-4.2	+1.1	+0.9	13,469	14,620	14,274	13,039	+3.3
Electronic and other electrical equipment	9,548	9,546	9,537	0.0	+0.1	+2.7	9,939	10,071	9,782	8,780	+13.2
Transportation equipment	7,915	7,997	7,926	-1.0	+0.9	-1.3	7,626	8,029	7,923	8,293	-8.0
Instruments and related products	5,984	5,973	5,861	+0.2	+1.9	+0.3	6,029	6,153	5,957	6,085	-0.9
Lumber, furniture and miscellaneous durable goods	9,199	9,163	9,169	+0.4	-0.1	-0.5	9,467	9,662	9,570	9,065	+4.4
Nondurable goods industries	66,204	66,487	66,571	-0.4	-0.1	+0.3	65,972	67,268	66,729	67,329	-2.0
Food and kindred products	16,372	16,614	16,520	-1.5	+0.6	+0.8	15,434	15,921	15,819	15,207	+1.5
Tobacco products	727	736	671	-1.2	+9.7	-8.5	699	719	704	1,223	-42.8
Textile mill products	4,324	4,325	4,355	0.0	-0.7	+0.6	4,388	4,543	4,547	4,220	+4.0
Paper and allied products	5,609	5,614	5,636	-0.1	-0.4	+0.4	5,649	5,884	5,878	5,574	+1.3
Chemicals and allied products	17,227	17,330	17,392	-0.6	-0.4	+1.3	16,994	17,458	17,649	17,515	-3.0
Petroleum and coal products	5,032	5,017	4,974	+0.3	+0.9	0.0	5,092	5,104	4,880	5,582	-8.8
Rubber and plastics products	6,047	6,013	6,054	+0.6	-0.7	-0.1	6,083	6,163	6,202	6,014	+1.1
Apparel, printing and publishing and leather goods	10,866	10,838	10,969	+0.3	-1.2	-1.2	11,633	11,476	11,050	11,994	-3.0

[p] Preliminary. [r] Revised.

See note at end of table 2 relating to survey variability.

Table 8. RATIOS OF MANUFACTURES' INVENTORIES TO SHIPMENTS AND UNFILLED ORDERS TO SHIPMENTS, BY INDUSTRY GROUP
(Based on seasonally adjusted data)

Industry	Inventory / Shipments ratio				Unfilled Orders / Shipments ratio[1]			
	June 1994[p]	May 1994[r]	Apr. 1994	Mar. 1994	June 1994[p]	May 1994[r]	Apr. 1994	Mar. 1994
All manufacturing industries	1.37	1.38	1.39	1.38	2.98	3.01	3.04	3.03
Durable goods industries	1.60	1.62	1.63	1.62	3.57	3.60	3.64	3.63
Stone, clay, and glass products	1.11	1.13	1.13	1.13	1.16	1.22	1.21	1.18
Primary metals	1.54	1.55	1.59	1.60	2.00	1.98	1.98	1.97
Fabricated metal products	1.55	1.53	1.53	1.52	1.48	1.47	1.46	1.45
Industrial machinery and equipment	1.80	1.79	1.81	1.79	2.38	2.33	2.34	2.27
Electronic and other electrical equipment	1.61	1.61	1.60	1.63	2.07	2.11	2.14	2.15
Transportation equipment	1.56	1.62	1.60	1.55	11.01	11.31	11.41	10.95
Instruments and related products	1.93	1.99	2.00	2.02	4.30	4.40	4.52	4.62
Nondurable goods industries	1.11	1.11	1.11	1.11	0.76	0.76	0.77	0.76
Food and kindred products	0.86	0.88	0.87	0.84	(X)	(X)	(X)	(X)
Tobacco products	2.58	2.38	1.86	2.77	(X)	(X)	(X)	(X)
Textile mill products	1.56	1.56	1.60	1.58	(NA)	(NA)	(NA)	(NA)
Paper and allied products	1.21	1.21	1.24	1.24	(NA)	(NA)	(NA)	(NA)
Chemicals and allied products	1.21	1.22	1.23	1.23	(X)	(X)	(X)	(X)
Petroleum and coal products	0.86	0.87	0.86	0.87	(X)	(X)	(X)	(X)
Rubber and plastics products	1.31	1.31	1.33	1.33	(X)	(X)	(X)	(X)

[p] Preliminary. [r] Revised. (X) Not applicable. (NA) Not available.

[1] Excludes the following industries with no unfilled orders : Wood and lumber products; glass containers; metal cans, barrels and drums; farm and garden machinery; motor vehicle assembly operations; other transportation equipment; foods and related products; tobacco; knitting mill products; apparel and related products; chemicals; petroleum and coal products; and rubber and plastics products.

Table 9. REVISIONS TO PREVIOUSLY PUBLISHED MONTHLY PERCENT CHANGES
(Based on seasonally adjusted data)

Industry	Shipments			New orders			Unfilled orders			Inventories		
	June[1] 1994	June[2] 1989-1993	June 1993-May 1994	June[1] 1994	June[2] 1989-1993	June 1993-May 1994	June[1] 1994	June[2] 1989-1993	June 1993-May 1994	June[1] 1994	June[2] 1989-1993	June 1993-May 1994
All manufacturing industries	(X)	0.2	0.2	(X)	0.2	0.2	(X)	0.1	0.1	(X)	0.0	0.1
Durable goods industries	0.0	0.1	0.2	-0.1	0.4	0.3	0.0	0.1	0.1	(X)	0.1	0.1
Stone, clay, and glass products	(X)	0.5	0.6	(X)	0.8	1.4	(X)	0.6	0.9	(X)	0.3	0.2
Primary metals	0.6	0.2	0.4	0.9	0.3	0.9	0.2	0.3	0.5	(X)	0.2	0.2
Fabricated metal products	(X)	0.5	0.4	(X)	1.0	0.6	(X)	0.4	0.3	(X)	0.2	0.3
Industrial machinery and equipment	-0.2	0.3	0.4	-0.3	0.5	0.6	0.0	0.1	0.1	(X)	0.1	0.2
Electronic and other electrical equipment	-0.1	0.1	0.3	-0.4	1.5	1.0	-0.2	0.5	0.4	(X)	0.2	0.2
Transportation equipment	0.2	0.4	0.5	-0.1	0.8	0.7	-0.1	0.1	0.1	(X)	0.2	0.2
Instruments and related products	(X)	0.5	0.3	(X)	1.1	2.3	(X)	0.1	0.4	(X)	0.1	0.3
Nondurable goods industries	(X)	0.2	0.1	(X)	0.3	0.2	(X)	0.5	0.4	(X)	0.1	0.1
Food and kindred products	(X)	0.3	0.3	(X)	(X)	(X)	(X)	(X)	(X)	(X)	0.1	0.1
Tobacco products	(X)	0.2	0.2	(X)	(X)	(X)	(X)	(X)	(X)	(X)	0.0	0.0
Textile mill products	(X)	1.2	0.5	(X)	(NA)	(NA)	(X)	(NA)	(NA)	(X)	0.6	0.2
Paper and allied products	(X)	0.6	0.2	(X)	(NA)	(NA)	(X)	(NA)	(NA)	(X)	0.9	0.1
Chemicals and allied products	(X)	0.4	0.2	(X)	(X)	(X)	(X)	(X)	(X)	(X)	0.3	0.2
Petroleum and coal products	(X)	0.2	0.5	(X)	(X)	(X)	(X)	(X)	(X)	(X)	0.3	0.4
Rubber and plastics products	(X)	1.2	0.2	(X)	(X)	(X)	(X)	(X)	(X)	(X)	0.4	0.1
Capital goods industries :												
Nondefense	-0.1	0.2	0.4	-0.3	1.4	0.6	0.0	0.4	0.1	(X)	0.1	0.1
Defense	0.4	0.2	0.4	-2.3	0.9	5.5	-0.2	0.1	0.3	(X)	0.2	0.2

(X) Not applicable. (NA) Not available.

Note : The five year and the twelve month revisions are the differences between the month-to-month percent changes of the preliminary and final estimates. The monthly averages are the simple averages of the absolute values of the differences for the months specified. The advance to final percent change revisions for the durable goods industries are shown in the advance report for the month.

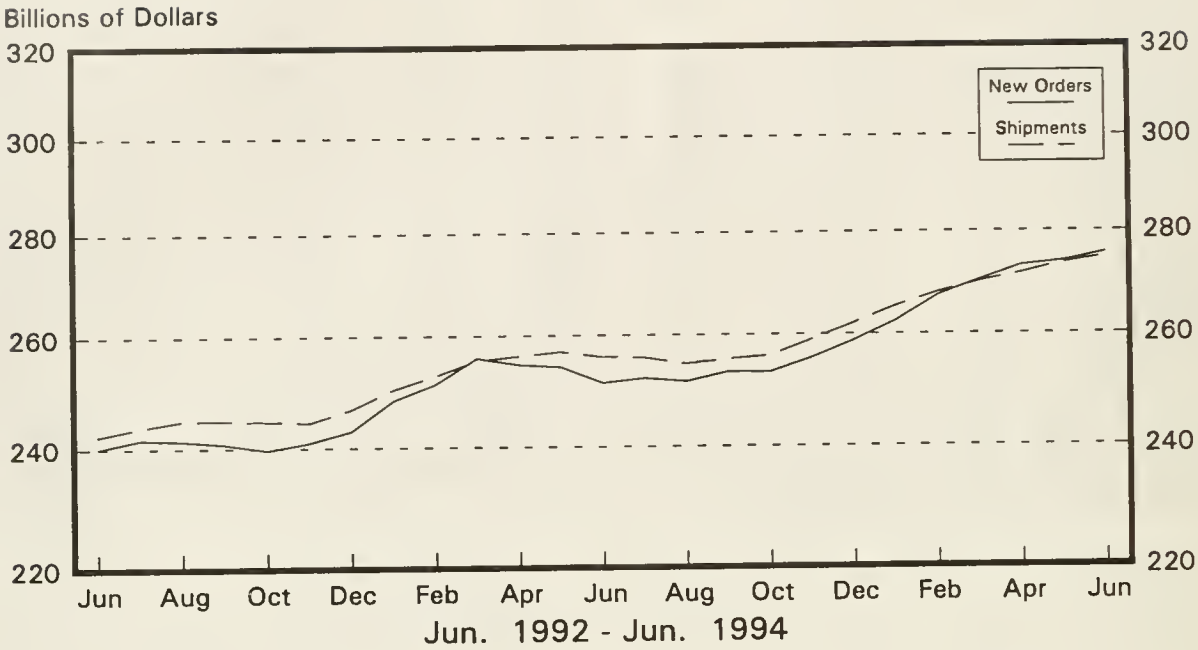
[1] The current month revisions are the difference between the advance percent change and the percent change as shown in this publication.

[2] Average for this month for the last five years.

See note at end of table 2 relating to survey variability.

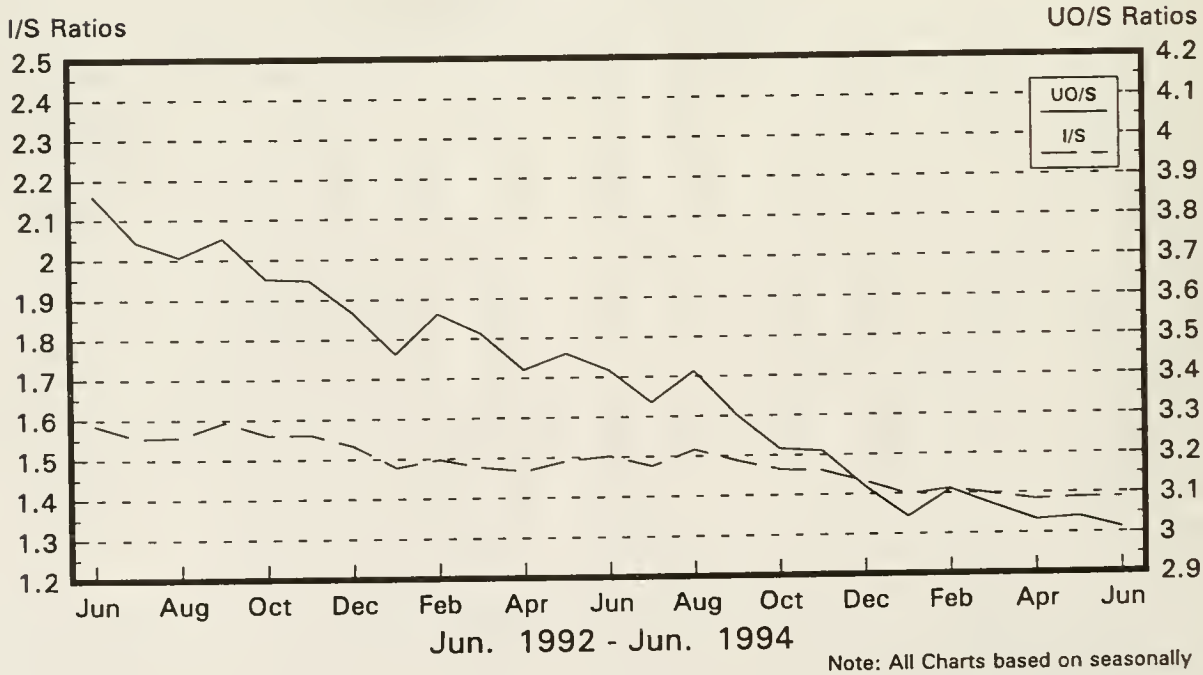
Total Manufacturing

New Orders and Shipments
Three Month Moving Averages



Total Manufacturing

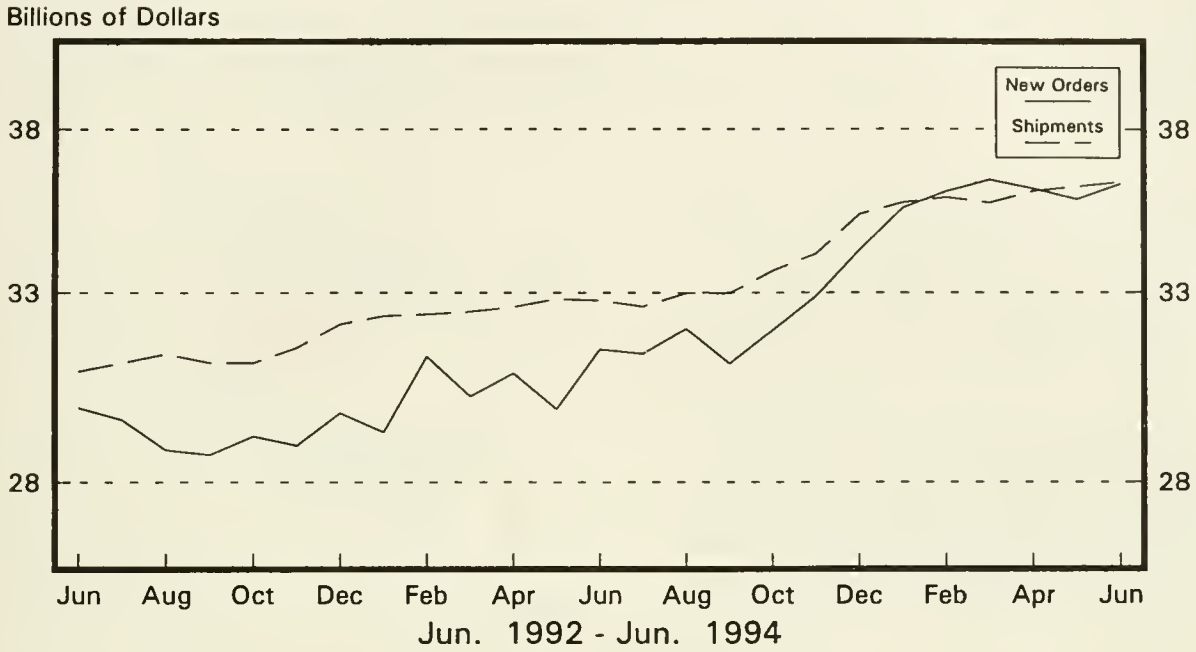
Ratio of Unfilled Orders and
Inventories to Shipments



Note: All Charts based on seasonally adjusted current dollars.

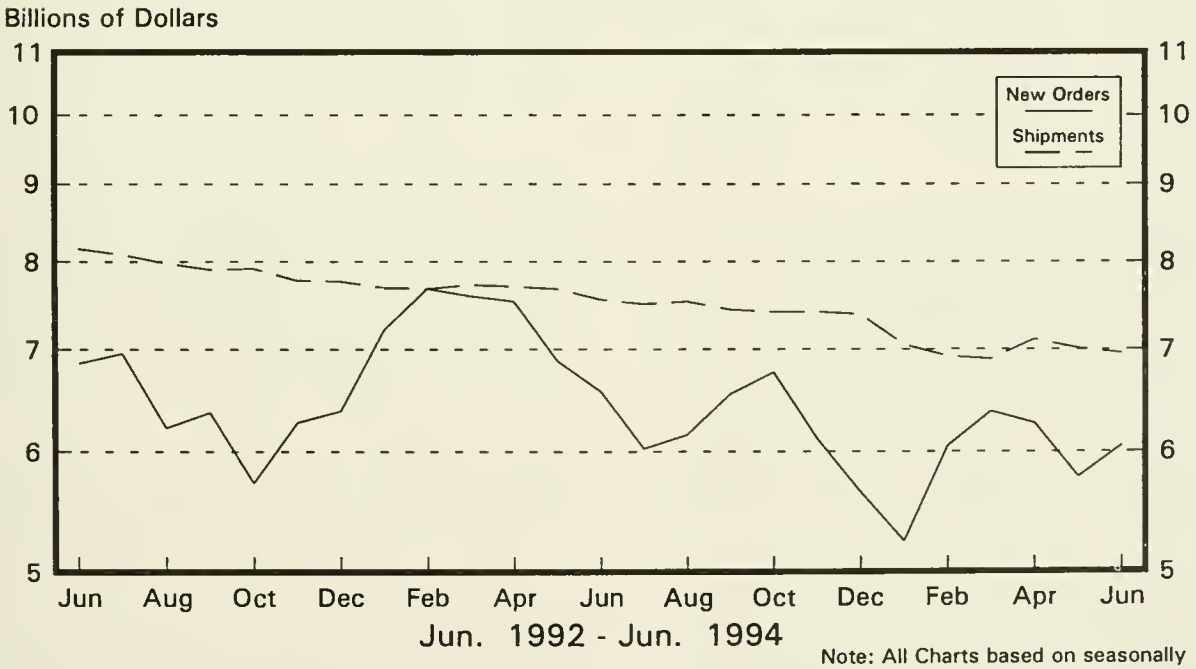
Nondefense Capital Goods

New Orders and Shipments
Three Month Moving Averages



Defense Capital Goods

New Orders and Shipments
Three Month Moving Averages



Note: All Charts based on seasonally adjusted current dollars.

U.S. Department of Commerce
BUREAU OF THE CENSUS
Washington, D.C. 20233

Official Business

Penalty for Private Use, $300

U.S.MAIL

POSTAGE AND FEES PAI
U S DEPARTMENT OF COMMERC

COM-20

First Class Mail

SEP 14

U.S. DEPARTMENT OF COMMERCE
BUREAU OF THE CENSUS

3. 158: M 32-1-(94)-07

rent Industrial Reports, Manufac...

GOVERNMENT DOCUMENTS DEPOSITORY

OCT 19 1994

BOSTON PUBLIC LIBRARY

Manufacturers' Shipments, Inventories, and Orders

U. S. Department of Commerce
Economics and Statistics Administration
BUREAU OF THE CENSUS

July 1994
M3-1-(94)-07
For Wire Transmissions 10:00 a.m. E.D.T. August 31, 1994

Kathy Menth or Gloria Cable
(301)763-2502 or (301)763-2575

Note: All figures in text are in seasonally adjusted current dollars

Summary

New orders for manufactured goods in July decreased $6.5 billion or 2.3 percent to $273.3 billion, the largest decline since December 1991, the Department of Commerce, Bureau of the Census reported today. This follows a 0.8 percent increase in June and is the first decline since February. Year-to-date new orders for 1994 are 8.7 percent above the same period a year ago.

Shipments decreased $4.6 billion or 1.6 percent to $274.0 billion, following a 0.8 percent increase in June. This is the third decrease this year and the fourth since last July. Year-to-date shipments for 1994 are 7.3 percent above the same period a year ago.

Unfilled orders decreased $0.7 billion or 0.2 percent to $449.0 billion, the first decrease since February. The unfilled orders-to-shipments ratio increased to 3.01 from 2.98 in June.

Inventories increased $3.3 billion or 0.9 percent to $386.4 billion, following a 0.2 percent increase in June. This is the sixth increase this year. The inventories-to-shipments ratio increased from 1.38 in June to 1.41 in July.

New Orders

New orders for manufactured durable goods in July decreased $6.5 billion or 4.3 percent to $144.8 billion. This is revised from the previously published 4.2 percent decline. Over half of the July decrease was due to the motor vehicle and parts industry, which was heavily affected by the growing practice of shutting down for two weeks in July. The July decline follows a 1.2 percent increase in June and is the first decrease since February.

Transportation equipment had the largest decline, down $6.0 billion or 15.7 percent to $31.9 billion, primarily due to motor vehicles and parts, and aircraft and parts. This follows a 2.2 percent increase in June and is the fourth decline this year. Instruments and related products declined $0.6 billion or 5.1 percent to $10.9 billion, following a 10.5 percent June increase. Industrial machinery and equipment was down $0.4 billion or 1.3 percent to $28.4 billion, following a 3.0 percent increase in June. Fabricated metals had the largest increase, up $0.2 billion or 1.3 percent to $15.2 billion.

New orders for nondurable goods were $128.5 billion, down $0.1 billion or 0.1 percent from June. The largest increases were in tobacco products and leather and leather products. The largest declines were in food and kindred products, and paper and allied products.

Shipments

Shipments of durable goods in July decreased $4.4 billion or 3.0 percent to $145.6 billion. This is revised from the previously published 2.8 percent decline. The decline follows two consecutive increases and is the third decrease this year. Transportation equipment had the largest decrease, down $4.5 billion or 11.7 percent to $34.1 billion, primarily due to motor vehicles and parts. Instruments and related products declined $0.2 billion or 2.2 percent to $10.9 billion, following three consecutive increases. The largest increase was in electronic and other electrical equipment, up $0.1 billion or 0.6 percent to $22.8 billion, the ninth consecutive monthly increase.

Shipments of nondurable goods declined $0.1 billion or 0.1 percent to $128.4 billion. This follows eight consecutive monthly increases. The largest decrease was in food and kindred products, down $0.4 billion or 1.0 percent to $35.1 billion. Rubber and plastic products and chemical and allied products also had large declines. The largest increase was in tobacco products, up $0.2 billion or 8.9 percent to $2.6 billion.

Unfilled Orders

Unfilled orders for durable goods in July decreased $0.8 billion or 0.2 percent to $425.0 billion. The percent change is the same as reported earlier. This follows three consecutive monthly increases. Transportation equipment had the largest decrease, down $2.1 billion or 1.0 percent to $206.4 billion, due to aircraft and parts. This is the twenty-sixth decrease in the last twenty-seven months. Electronic and other electrical equipment was down $0.5 billion or 1.1 percent to $46.2 billion, the third consecutive decline. Industrial machinery and equipment, up for the thirteenth consecutive month, had the largest increase, up $1.3 billion or 2.1 percent to $61.7 billion. Unfilled orders for nondurable goods increased $0.1 billion or 0.3 percent to $24.1 billion, the ninth consecutive increase.

Inventories

Inventories for durable goods in July increased $2.2 billion or 0.9 percent to $243.2 billion, the sixth increase this year. All major groups increased except instruments and related products. Electronic and other electrical equipment had the largest increase, up $0.6 billion or 1.6 percent to $37.0 billion, the nineteenth increase in the last twenty-one months. Fabricated metal products increased $0.6 billion or 2.4 percent to $23.8 billion, the fourth consecutive increase. Transportation equipment increased $0.4 billion or 0.6 percent to $60.7 billion. Industrial machinery and equipment increased $0.3 billion or 0.6 percent to $48.8 billion, the sixteenth consecutive monthly increase. Nondurable goods inventories increased $1.1 billion to $143.2 billion, the fifth increase in the last six months.

By stage of fabrication, finished goods increased 1.3 percent in durables and 1.5 percent in nondurables. Work in process increased 0.5 percent in durables and 1.2 percent in nondurables. Materials and supplies increased 1.1 percent in durables and declined 0.2 percent in nondurables.

The advance report on durable goods for August is scheduled for September 28, 1994 at 8:30 a.m. and the full report on October 5, 1994 at 10:00 a.m. For sale by the Superintendent of Documents, U.S. Government Printing Office, Washington, DC 20402. This report is also available the day of issue through the Department of Commerce's online Economic Bulletin Board (N-8-1) (202-482-3870) and through the Census Bureau's online information service—CENDATA. CENDATA is available from Dialog Information Services, Inc. (1-800-334-2564) and CompuServe (1-800-848-8199). The CENDATA staff at the Bureau of the Census (301-763-2074) can provide content information and general guidance.

Table 1. VALUE OF MANUFACTURERS' SHIPMENTS FOR INDUSTRY GROUPS
(Millions of dollars)

Industry	Seasonally adjusted						Not seasonally adjusted[1]						
	Monthly			Percent Change			Monthly				Percent change	Year to date	
	July 1994[p]	June 1994[r]	May 1994	June-July	May-June	Apr.-May	July 1994[p]	June 1994[r]	May 1994	July 1993	July 94/93	1994[p]	1993
All manufacturing industries	274,011	278,566	276,232	-1.6	+0.8	+0.7	250,303	300,347	278,948	230,372	+8.7	1,900,249	1,767,282
Manufacturing Industries													
with unfilled orders	149,204	150,840	149,159	-1.1	+1.1	+1.4	133,876	163,628	148,101	121,013	+10.6	1,016,947	933,734
without defense capital goods	267,196	271,706	269,416	-1.7	+0.8	+0.8	244,140	292,977	272,372	223,644	+9.2	1,853,809	1,716,892
Durable goods industries	145,576	150,010	148,510	-3.0	+1.0	+1.1	126,196	165,101	151,188	112,784	+11.9	1,021,270	920,924
With unfilled orders	117,412	119,088	117,785	-1.4	+1.1	+1.2	103,553	131,266	117,237	92,819	+11.6	804,293	731,583
Stone, clay, and glass products	6,664	6,661	6,604	0.0	+0.9	-0.9	6,485	7,336	6,708	5,622	+15.4	45,040	39,041
Primary metals	12,804	12,734	12,671	+0.5	+0.5	+3.1	11,751	13,514	12,989	10,261	+14.5	87,192	80,229
Blast furnaces, steel mills	5,760	5,645	5,669	+2.0	-0.4	+2.1	5,293	5,936	5,841	4,805	+10.2	39,454	36,566
Iron and steel foundries	1,165	1,154	1,157	+1.0	-0.3	-0.1	938	1,260	1,236	740	+26.8	8,157	7,125
Nonferrous and other primary metals	5,879	5,935	5,845	-0.9	+1.5	+4.8	5,520	6,318	5,912	4,716	+17.0	39,581	36,538
Fabricated metal products	15,048	14,954	15,057	+0.6	-0.7	+0.5	13,507	16,015	15,388	12,521	+7.9	104,027	97,184
Industrial machinery and equipment	27,141	27,125	26,947	+0.1	+0.7	+2.1	23,499	31,404	26,766	20,412	+15.1	185,150	161,368
Engines and turbines	1,633	2,033	1,779	-19.7	+14.3	+4.6	1,202	2,435	1,761	1,126	+6.7	11,956	10,169
Farm and garden machinery	1,773	1,707	1,811	+3.9	-5.7	+4.1	1,335	1,762	2,208	1,089	+22.6	13,401	11,269
Construction, mining and material handling equipment	2,754	2,693	2,670	+2.3	+0.9	+2.9	2,520	2,944	2,776	2,189	+15.1	18,912	17,348
Metalworking machinery	2,949	2,762	2,866	+6.8	-3.6	+0.9	2,468	2,975	2,924	2,112	+16.9	18,791	17,309
Computer and office equipment	7,164	7,343	7,170	-2.4	+2.4	-0.3	5,638	9,711	6,162	5,131	+9.9	47,791	40,624
Electronic and other electrical equipment	22,781	22,649	22,355	+0.6	+1.3	+1.0	20,359	24,422	21,862	17,219	+18.2	150,065	127,772
Electrical transmission and distribution equipment and industrial apparatus	2,641	2,636	2,578	+0.2	+2.2	+0.6	2,354	2,885	2,584	2,112	+11.5	18,087	16,486
Household appliances	1,878	1,915	1,884	-1.9	+1.6	+0.2	1,839	2,176	1,920	1,671	+10.1	13,032	11,368
Electric lighting and wiring equipment	1,808	1,753	1,756	+3.1	-0.2	-1.2	1,539	1,890	1,761	1,402	+9.8	12,041	11,434
Household audio and video equipment	1,092	1,012	1,076	+7.9	-5.9	+5.7	981	911	873	846	+16.0	6,202	5,61
Communications equipment	5,012	5,016	4,830	-0.1	+3.9	-2.3	4,334	5,642	4,620	3,364	+28.8	32,161	25,11
Electronic components	8,005	8,146	7,949	-1.7	+2.5	+4.3	7,389	8,622	7,939	6,228	+18.6	53,778	45,20
Transportation equipment	34,081	38,600	37,666	-11.7	+2.5	-0.5	25,683	42,830	40,352	23,603	+8.8	265,000	242,21
Motor vehicles and parts	23,363	27,102	26,899	-13.8	+0.8	+0.2	16,073	30,010	29,896	13,993	+14.9	188,256	160,35
Aircraft, missiles, space vehicles, and parts	8,219	8,364	7,983	-1.7	+4.8	-3.3	7,286	9,598	7,624	7,418	-1.8	57,912	65,16
Shipbuilding and tanks	853	1,322	1,136	-35.5	+16.4	+11.7	807	1,396	1,117	1,017	-20.6	7,003	6,67
Instruments and related products	10,850	11,099	11,043	-2.2	+0.5	+1.3	9,792	12,222	10,902	9,603	+2.0	74,651	72,76
Search and navigation equipment	2,598	2,472	2,502	+5.1	-1.2	-0.8	2,298	2,712	2,466	2,354	-2.4	16,818	18,38
Measuring and controlling devices	3,128	3,219	3,214	-2.8	+0.2	+2.6	2,793	3,442	3,154	2,575	+8.5	21,778	19,79
Medical instruments and supplies	3,015	3,011	2,967	+0.1	+1.5	+1.2	2,792	3,292	2,888	2,671	+4.5	20,526	20,03
Photographic goods	1,765	2,016	1,984	-12.5	+1.6	+2.1	1,573	2,357	2,009	1,667	-5.6	13,001	12,21
All other durable goods	16,207	16,188	16,167	+0.1	+0.1	+3.0	15,120	17,358	16,221	13,543	+11.6	110,145	100,35
Nondurable goods industries	128,435	128,556	127,722	-0.1	+0.7	+0.3	124,107	135,246	127,760	117,588	+5.5	878,979	846,35
With unfilled orders	31,792	31,752	31,374	+0.1	+1.2	+2.0	30,323	32,362	30,864	28,194	+7.6	212,654	202,15
Food and kindred products	35,134	35,504	34,913	-1.0	+1.7	+0.1	33,700	36,879	35,282	33,096	+1.8	243,459	234,78
Meat products	8,088	7,899	7,837	+2.4	+0.8	-0.7	7,959	8,182	8,143	7,815	+1.8	55,508	54,73
Dairy products	4,473	4,543	4,591	-1.5	-1.0	+0.3	4,460	4,824	4,704	4,537	-1.7	32,129	31,14
Beverages	5,169	5,254	5,172	-1.6	+1.6	0.0	5,422	6,077	5,664	5,183	+4.6	36,381	34,12
All other foods, except fats and oils	15,769	15,954	15,521	-1.2	+2.8	0.0	14,224	15,942	14,979	13,892	+2.4	106,818	102,89
Tobacco products	2,648	2,431	2,525	+8.9	-3.7	-21.4	2,516	2,854	2,628	2,565	-1.9	18,631	18,50
Textile mill products	6,230	6,253	6,191	-0.4	+1.0	+2.4	5,564	6,904	6,190	5,187	+7.3	41,803	39,94
Broadwoven fabrics and other textiles	3,862	3,910	3,841	-1.2	+1.8	+3.4	3,360	4,254	3,933	3,134	+7.2	26,059	24,99
Paper and allied products	11,263	11,209	11,167	+0.5	+0.4	+2.5	11,128	11,751	11,101	10,561	+5.4	76,859	75,38
Pulp, paper, and paperboard mill products	4,438	4,411	4,400	+0.6	+0.3	+3.6	4,447	4,613	4,387	4,344	+2.4	30,349	30,58
Paperboard containers and boxes	2,950	2,937	2,900	+0.4	+1.3	+1.0	2,903	3,062	2,930	2,594	+11.9	19,911	18,55
Miscellaneous converted paper products	3,875	3,861	3,867	+0.4	-0.2	+2.5	3,778	4,076	3,784	3,623	+4.3	26,599	26,25
Chemicals and allied products	28,000	28,089	28,021	-0.3	+0.2	+0.8	26,751	30,149	28,424	24,821	+7.8	195,404	184,36
Industrial chemicals	14,786	14,727	14,610	+0.4	+0.8	+2.5	14,564	15,660	14,873	13,057	+11.5	101,537	95,16
Drugs, soaps, and toiletries	10,010	10,134	10,195	-1.2	-0.6	-0.3	9,259	10,747	9,437	9,095	+1.8	68,977	66,25
Petroleum and coal products	12,304	12,163	11,864	+1.2	+2.5	-0.1	12,874	13,071	12,091	12,599	+2.2	80,547	87,50
Rubber and plastics products	9,228	9,382	9,441	-1.6	-0.6	+1.5	8,626	10,264	9,701	7,885	+9.4	65,198	60,68
All other nondurable goods	23,628	23,525	23,600	+0.4	-0.3	+1.3	22,948	23,374	22,343	20,874	+9.9	157,078	145,17

[p] Preliminary. [r] Revised.

[1] Shipments and new orders are the totals for the period and are adjusted for trading-day and calendar-month variations.

See note at end of table 2 relating to survey variability.

Table 2. VALUE OF MANUFACTURERS' NEW ORDERS FOR INDUSTRY GROUPS
(Millions of dollars)

Industry	Seasonally adjusted						Not seasonally adjusted[1]						
	Monthly			Percent Change			Monthly				Percent change	Year to date	
	July 1994[p]	June 1994[r]	May 1994	June-July	May-June	Apr.-May	July 1994[p]	June 1994[r]	May 1994	July 1993	July 94/93	1994[p]	1993
All manufacturing industries	273,263	279,788	277,441	-2.3	+0.8	+0.8	250,551	298,809	279,116	230,096	+8.9	1,912,670	1,754,164
lanufacturing industries with unfilled orders	148,456	152,062	150,368	-2.4	+1.1	+1.5	134,124	162,090	148,269	120,737	+11.1	1,029,368	920,616
without defense capital goods	267,398	272,737	270,261	-2.0	+0.9	+0.5	245,757	291,529	273,195	224,122	+9.7	1,871,088	1,711,124
urable goods industries	144,753	151,212	149,412	-4.3	+1.2	+1.4	126,170	163,603	150,852	112,603	+12.0	1,029,590	906,739
With unfilled orders	116,589	120,290	118,687	-3.1	+1.4	+1.6	103,527	129,768	116,901	92,638	+11.8	812,613	717,398
tone, clay, and glass products	6,677	6,484	6,541	+3.0	-0.9	-4.1	6,800	6,987	6,893	5,986	+13.6	45,918	40,323
rimary metals	13,040	13,098	13,350	-0.4	-1.9	+6.1	12,007	13,550	13,481	10,214	+17.6	91,944	82,458
Blast furnaces, steel mills	5,645	5,675	5,753	-0.5	-1.4	-0.6	5,195	5,851	5,653	4,708	+10.3	40,833	38,624
Iron and steel foundries	1,256	1,250	1,233	+0.5	+1.4	+5.7	1,063	1,339	1,318	968	+9.8	8,754	7,292
Nonferrous and other primary metals	6,139	6,173	6,364	-0.6	-3.0	+13.1	5,749	6,360	6,510	4,538	+26.7	42,357	36,542
abricated metal products	15,231	15,032	15,336	+1.3	-2.0	+2.5	13,818	15,981	15,489	12,393	+11.5	104,842	95,786
dustrial machinery and equipment	28,432	28,821	27,993	-1.3	+3.0	-0.1	24,779	32,532	27,823	20,545	+20.6	193,522	161,480
Engines and turbines	1,676	2,015	1,928	-16.8	+4.5	+17.1	1,433	2,518	1,803	1,385	+3.5	11,695	9,974
Construction, mining and material handling equipment	2,745	2,853	2,771	-3.8	+3.0	-1.3	2,431	3,019	2,765	2,151	+13.0	19,623	17,261
Metalworking machinery	3,033	3,176	2,888	-4.5	+10.0	-3.9	2,552	3,389	2,946	2,127	+20.0	20,666	16,849
Computer and office equipment	7,716	7,683	7,617	+0.4	+0.9	-1.4	6,172	9,827	7,222	4,889	+26.2	50,494	40,883
lectronic and other electrical equipment	22,275	22,190	22,175	+0.4	+0.1	-5.1	20,192	23,186	21,360	18,617	+8.5	151,873	129,535
Electrical transmission and distribution equipment and industrial apparatus	2,616	2,593	2,551	+0.9	+1.6	-2.0	2,367	2,806	2,543	2,113	+12.0	18,353	16,673
Electric lighting and wiring equipment	1,874	1,800	1,806	+4.1	-0.3	-1.2	1,605	1,937	1,811	1,479	+8.5	12,320	11,653
Communications equipment	4,837	4,700	4,428	+2.9	+6.1	-12.1	4,197	5,322	4,168	3,443	+21.9	31,536	25,141
Electronic components	7,867	7,696	7,962	+2.2	-3.3	-6.6	7,415	7,538	7,778	7,093	+4.5	55,333	45,836
ransportation equipment	31,945	37,910	37,080	-15.7	+2.2	+3.2	23,007	41,930	38,967	21,460	+7.2	257,682	224,410
Aircraft, missiles, space vehicles, and parts.	5,695	8,043	8,140	-29.2	-1.2	+23.6	4,051	9,319	7,068	4,452	-9.0	51,081	47,074
Shipbuilding and tanks	875	682	514	+28.3	+32.7	-18.2	818	742	544	1,575	-48.1	4,416	6,089
istruments and related products	10,926	11,508	10,418	-5.1	+10.5	+2.7	10,116	12,317	10,044	9,591	+5.5	72,108	70,783
Search and navigation equipment	2,615	3,150	2,098	-17.0	+50.1	+8.8	2,569	3,072	1,806	2,205	+16.5	14,528	16,737
Measuring and controlling devices	3,235	3,126	3,090	+3.5	+1.2	-4.7	2,900	3,349	3,030	2,579	+12.4	22,172	19,750
Medical instruments and supplies	2,978	2,875	2,886	+3.6	-0.4	+4.7	2,755	3,156	2,807	2,727	+1.0	19,910	19,699
ll other durable goods	16,227	16,169	16,519	+0.4	-2.1	+6.3	15,451	17,120	16,795	13,797	+12.0	111,701	101,964
ondurable goods industries	128,510	128,576	128,029	-0.1	+0.4	+0.2	124,381	135,206	128,264	117,493	+5.9	883,080	847,425
With unfilled orders	31,867	31,772	31,681	+0.3	+0.3	+1.3	30,597	32,322	31,368	28,099	+8.9	216,755	203,218

[p] Preliminary. [r] Revised.

[1] Shipments and new orders are the totals for the period and are adjusted for trading-day and calendar-month variations.

(n) When new orders for a prior month are negative because of cancellations, the percentage change calculation is algebraically negative, even though there is a net dollar crease from the prior month to the current month.

Note : Estimates of manufacturers' shipments, inventories and orders are subject to survey variability and revision. Since the survey panel is not a probability sample, timates of sampling variability cannot be calculated. Further details on survey design, methodology, and data limitation are contained in our most recent annual benchmark iblication, Current Industrial Reports. M3-1(92), "Manufacturers' Shipments, Inventories, and Orders: 1982-1992."

Table 3. VALUE OF MANUFACTURERS' UNFILLED ORDERS FOR INDUSTRY GROUPS
(Millions of dollars)

Industry	Seasonally adjusted						Not seasonally adjusted				
	Monthly			Percent Change			Monthly				Percent change
	July 1994[p]	June 1994[r]	May 1994	June-July	May-June	Apr.-May	July 1994[p]	June 1994[r]	May 1994	July 1993	July 94/93
All manufacturing industries	449,019	449,767	448,546	-0.2	+0.3	+0.3	450,779	450,531	452,069	459,068	-1.8
Manufacturing industries without defense capital goods	336,187	335,985	334,954	+0.1	+0.3	+0.3	338,499	336,882	338,330	336,638	+0.6
Durable goods industries	424,961	425,784	424,583	-0.2	+0.3	+0.2	425,947	425,973	427,471	435,940	-2.3
Stone, clay, and glass products	7,308	7,295	7,472	+0.2	-2.4	-0.8	7,697	7,382	7,731	7,674	+0.3
Primary metals	25,626	25,390	25,026	+0.9	+1.5	+2.8	26,300	26,044	26,008	22,905	+14.8
Blast furnaces, steel mills	10,863	10,978	10,948	-1.0	+0.3	+0.8	11,091	11,189	11,274	10,480	+5.8
Iron and steel foundries	3,618	3,527	3,431	+2.6	+2.8	+2.3	3,640	3,515	3,436	2,997	+21.5
Nonferrous and other primary metals	11,145	10,885	10,647	+2.4	+2.2	+5.1	11,569	11,340	11,298	9,428	+22.7
Fabricated metal products	20,819	20,636	20,559	+0.9	+0.4	+1.4	20,861	20,550	20,584	21,363	-2.3
Industrial machinery and equipment	61,657	60,366	58,670	+2.1	+2.9	+1.8	61,350	60,070	58,942	50,231	+22.1
Engines and turbines	10,040	9,997	10,015	+0.4	-0.2	+1.5	9,878	9,647	9,564	9,861	+0.2
Construction, mining and material handling equipment	6,635	6,644	6,484	-0.1	+2.5	+1.6	6,502	6,591	6,516	5,512	+18.0
Metalworking machinery	9,210	9,126	8,712	+0.9	+4.8	+0.3	9,210	9,126	8,712	6,873	+34.0
Computer and office equipment	9,673	9,121	8,781	+6.1	+3.9	+5.4	9,954	9,420	9,304	7,380	+34.9
Electronic and other electrical equipment	46,211	46,717	47,176	-1.1	-1.0	-0.4	46,246	46,413	47,649	43,850	+5.5
Electrical transmission and distribution equipment and industrial apparatus	6,032	6,057	6,100	-0.4	-0.7	-0.4	6,036	6,023	6,102	5,739	+5.2
Electric lighting and wiring equipment	3,516	3,450	3,403	+1.9	+1.4	+1.5	3,516	3,450	3,403	3,199	+9.9
Communications equipment	14,413	14,588	14,904	-1.2	-2.1	-2.6	14,407	14,544	14,864	13,448	+7.1
Electronic components	16,560	16,698	17,148	-0.8	-2.6	+0.1	16,659	16,633	17,717	16,313	+2.1
Transportation equipment	206,429	208,565	209,255	-1.0	-0.3	-0.3	206,158	208,834	209,734	228,046	-9.6
Aircraft, missiles, space vehicles, and parts	177,516	180,040	180,361	-1.4	-0.2	+0.1	177,194	180,429	180,708	199,089	-11.0
Shipbuilding and tanks	16,684	16,662	17,302	+0.1	-3.7	-3.5	16,709	16,698	17,352	20,626	-19.0
Instruments and related products	49,070	48,994	48,585	+0.2	+0.8	-1.3	48,851	48,527	48,432	53,603	-8.9
Search and navigation equipment	32,224	32,207	31,529	+0.1	+2.2	-1.3	32,000	31,729	31,369	35,503	-9.9
Measuring and controlling devices	9,226	9,119	9,212	+1.2	-1.0	-1.3	9,226	9,119	9,212	9,141	+0.9
Medical instruments and supplies	6,840	6,877	7,013	-0.5	-1.9	-1.1	6,840	6,877	7,013	8,088	-15.4
All other durable goods	7,841	7,821	7,840	+0.3	-0.2	+4.7	8,484	8,153	8,391	8,268	+2.6
Nondurable goods industries	24,058	23,983	23,963	+0.3	+0.1	+1.3	24,832	24,558	24,598	23,128	+7.4

[p] Preliminary. [r] Revised.

See note at end of table 2 relating to survey variability.

Table 4. VALUE OF MANUFACTURERS' INVENTORIES FOR INDUSTRY GROUPS
(Millions of dollars)

Industry	Seasonally adjusted						Not seasonally adjusted				
	Monthly			Percent Change			Monthly				Percent change
	July 1994[p]	June 1994[r]	May 1994	June-July	May-June	Apr.-May	July 1994[p]	June 1994[r]	May 1994	July 1993	July 94/93
All manufacturing industries	386,408	383,106	382,382	+0.9	+0.2	+0.5	387,377	381,411	385,391	381,635	+1.5
Manufacturing industries											
With unfilled orders	255,826	253,888	253,870	+0.8	0.0	+0.6	257,937	253,976	256,926	253,841	+1.6
Without defense capital goods	361,842	358,626	357,438	+0.9	+0.3	+0.7	362,490	356,791	360,167	353,146	+2.6
Durable goods industries	243,212	241,039	240,539	+0.9	+0.2	+0.6	244,053	240,275	243,001	238,501	+2.3
With unfilled orders	222,340	220,617	220,516	+0.8	0.0	+0.7	223,823	220,417	223,076	220,004	+1.7
Stone, clay, and glass products	7,465	7,377	7,469	+1.2	-1.2	-0.4	7,522	7,408	7,643	7,728	-2.7
Primary metals	19,924	19,699	19,601	+1.1	+0.5	+0.4	20,000	19,540	19,622	19,318	+3.5
Blast furnaces, steel mills	9,645	9,573	9,529	+0.8	+0.5	+0.5	9,703	9,370	9,417	9,581	+1.3
Iron and steel foundries	1,537	1,507	1,493	+2.0	+0.9	+2.3	1,511	1,524	1,536	1,350	+11.9
Nonferrous and other primary metals	8,742	8,619	8,579	+1.4	+0.5	-0.1	8,786	8,646	8,669	8,387	+4.8
Fabricated metal products	23,765	23,213	23,062	+2.4	+0.7	+0.5	23,916	23,432	23,313	23,191	+3.1
Industrial machinery and equipment	48,809	48,536	48,121	+0.6	+0.9	+0.5	48,905	47,966	48,596	45,317	+7.9
Engines and turbines	3,614	3,592	3,690	+0.6	-2.7	+3.0	3,691	3,571	3,771	3,621	+1.9
Farm and garden machinery	2,560	2,500	2,354	+2.4	+6.2	-2.8	2,363	2,336	2,283	1,988	+18.9
Construction, mining and material handling equipment	5,822	5,781	5,765	+0.7	+0.3	+0.4	5,787	5,823	5,837	5,759	+0.5
Metalworking machinery	5,647	5,559	5,423	+1.6	+2.5	+0.6	5,726	5,520	5,450	5,214	+9.8
Computer and office equipment	11,870	11,975	11,835	-0.9	+1.2	0.0	12,107	11,576	11,995	10,808	+12.0
Electronic and other electrical equipment	37,041	36,452	36,071	+1.6	+1.1	+1.6	37,613	36,802	36,945	33,395	+12.6
Electrical transmission and distribution equipment and industrial apparatus	4,459	4,391	4,327	+1.5	+1.5	+1.1	4,529	4,425	4,411	4,411	+2.7
Household appliances	2,568	2,558	2,575	+0.4	-0.7	-0.1	2,550	2,675	2,814	2,522	+1.1
Electric lighting and wiring equipment	2,971	2,949	2,934	+0.7	+0.5	0.0	3,045	3,033	3,004	2,974	+2.4
Household audio and video equipment	1,099	1,092	1,075	+0.6	+1.6	+1.3	1,198	1,165	1,094	1,248	-4.0
Communications equipment	10,959	10,713	10,595	+2.3	+1.1	+3.3	11,081	10,728	10,893	8,582	+29.1
Electronic components	11,669	11,435	11,287	+2.0	+1.3	+1.1	11,821	11,395	11,357	10,224	+15.6
Transportation equipment	60,685	60,322	60,862	+0.6	-0.9	+0.5	60,364	59,471	60,993	64,810	-6.9
Motor vehicles and parts	12,217	12,059	12,032	+1.3	+0.2	+2.5	11,869	11,513	11,688	10,915	+8.7
Aircraft, missiles, space vehicles, and parts	44,473	44,304	44,718	+0.4	-0.9	+0.1	44,512	44,034	45,177	49,465	-10.0
Shipbuilding and tanks	1,393	1,449	1,587	-3.9	-8.7	-2.3	1,431	1,465	1,638	1,907	-25.0
Instruments and related products	21,865	21,983	22,002	-0.5	-0.1	+0.9	22,078	22,166	22,309	22,800	-3.2
Search and navigation equipment	5,779	5,810	5,757	-0.5	+0.9	+1.1	5,881	5,851	5,818	5,984	-1.7
Measuring and controlling devices	6,408	6,480	6,492	-1.1	-0.2	+0.6	6,446	6,525	6,566	6,654	-3.1
Medical instruments and supplies	6,193	6,229	6,238	-0.6	-0.1	+1.4	6,218	6,269	6,325	6,333	-1.8
Photographic goods	2,660	2,656	2,714	+0.2	-2.1	-0.5	2,695	2,692	2,780	3,021	-10.8
All other durable goods	23,658	23,457	23,351	+0.9	+0.5	-0.2	23,655	23,490	23,580	21,942	+7.8
Nondurable goods industries	143,196	142,067	141,843	+0.8	+0.2	+0.3	143,324	141,136	142,390	143,134	+0.1
With unfilled orders	33,486	33,271	33,354	+0.6	-0.2	+0.2	34,114	33,559	33,850	33,837	+0.8
Food and kindred products	30,836	30,571	30,564	+0.9	0.0	+0.4	30,058	29,118	29,475	29,305	+2.6
Meat products	3,543	3,483	3,429	+1.7	+1.6	+2.2	3,586	3,493	3,486	3,177	+12.9
Dairy products	2,660	2,672	2,715	-0.4	-1.6	-0.1	2,788	2,788	2,812	2,913	-4.3
Beverages	5,311	5,303	5,299	+0.2	+0.1	-0.2	5,247	5,283	5,300	5,253	-0.1
All other foods, except fats and oils	17,475	17,284	17,178	+1.1	+0.6	+0.2	16,741	15,807	15,943	16,489	+1.5
Tobacco products	5,891	5,963	6,019	-1.2	-0.9	+0.6	5,555	5,654	5,844	6,333	-12.3
Textile mill products	9,691	9,666	9,681	+0.3	-0.2	+0.1	9,866	9,764	10,020	9,399	+5.0
Broadwoven fabrics and other textiles	5,423	5,414	5,431	+0.2	-0.3	+0.3	5,477	5,415	5,572	5,288	+3.6
Paper and allied products	13,524	13,483	13,486	+0.3	0.0	+0.1	13,525	13,517	13,746	13,538	-0.1
Pulp, paper, and paperboard mill products	5,665	5,707	5,782	-0.7	-1.3	-0.7	5,620	5,691	5,895	5,680	-1.1
Paperboard containers and boxes	3,230	3,206	3,182	+0.7	+0.8	+0.1	3,262	3,215	3,197	3,237	+0.8
Miscellaneous converted paper products	4,629	4,570	4,522	+1.3	+1.1	+1.3	4,643	4,611	4,654	4,621	+0.5
Chemicals and allied products	34,260	33,992	34,082	+0.8	-0.3	0.0	34,136	33,735	34,345	34,664	-1.5
Industrial chemicals	16,122	16,019	16,118	+0.6	-0.6	+0.3	16,122	15,912	16,117	17,070	-5.6
Drugs, soaps, and toiletries	13,757	13,596	13,560	+1.2	+0.3	-0.2	13,895	13,708	13,898	13,551	+2.5
Petroleum and coal products	10,662	10,442	10,296	+2.1	+1.4	+1.1	10,897	10,557	10,471	11,256	-3.2
Rubber and plastics products	12,613	12,467	12,348	+1.2	+1.0	-0.2	12,526	12,370	12,466	12,063	+3.8
All other nondurable goods	25,719	25,483	25,367	+0.9	+0.5	+0.3	26,761	26,421	26,023	26,576	+0.7

[p] Preliminary. [r] Revised.

See note at end of table 2 relating to survey variability.

Table 5. VALUE OF MANUFACTURERS' SHIPMENTS AND NEW ORDERS FOR TOPICAL SERIES[1]
(Millions of dollars)

Industry	Seasonally adjusted						Not seasonally adjusted [2]						
	Monthly			Percent Change			Monthly				Percent change	Year to date	
	July 1994[p]	June 1994[r]	May 1994	June-July	May-June	Apr.-May	July 1994[p]	June 1994[r]	May 1994	July 1993	July 94/93	1994[p]	1993
SHIPMENTS													
All manufacturing industries	274,011	278,566	276,232	-1.6	+0.8	+0.7	250,303	300,347	278,948	230,372	+8.7	1,900,249	1,767,282
Market categories :													
Automotive equipment	11,884	13,715	13,522	-13.4	+1.4	-0.8	8,499	15,033	14,955	7,539	+12.7	95,090	81,704
Home goods and apparel	18,909	18,841	19,169	+0.4	-1.7	+1.2	17,871	19,604	17,930	16,317	+9.5	126,497	117,079
Consumer staples	58,402	58,436	57,656	-0.1	+1.4	-1.1	56,378	61,363	57,358	55,068	+2.4	399,182	391,076
Machinery and equipment	46,978	49,431	48,341	-5.0	+2.3	+0.8	40,014	56,214	48,790	35,402	+13.0	333,300	296,923
Business supplies	21,125	21,038	20,834	+0.4	+1.0	+1.2	20,049	21,752	20,949	18,404	+8.9	142,669	134,847
Construction materials and supplies	17,840	17,663	17,680	+1.0	-0.1	-0.1	17,130	19,366	18,246	15,432	+11.0	122,224	112,682
Defense products	7,294	7,262	7,277	+0.4	-0.2	-0.9	6,694	7,745	7,079	7,034	-4.8	49,521	52,190
Other materials, supplies and and intermediate products	91,579	92,180	91,753	-0.7	+0.5	+2.2	83,668	99,270	93,641	75,176	+11.3	631,766	580,781
Durable goods industries :													
Nondefense capital goods [3]	36,562	37,315	36,225	-2.0	+3.0	+1.0	31,969	43,342	35,116	27,823	+14.9	248,891	223,686
Excluding aircraft and parts	31,950	32,603	31,883	-2.0	+2.3	+1.9	27,994	37,643	30,954	24,162	+15.9	215,950	185,940
Defense capital goods [4]	6,815	6,860	6,816	-0.7	+0.6	-2.0	6,163	7,370	6,576	6,728	-8.4	46,440	50,390
Durables excluding capital goods	102,199	105,835	105,469	-3.4	+0.3	+1.3	88,064	114,389	109,496	78,233	+12.6	725,939	646,848
Miscellaneous series :													
Producers' durable equipment	91,892	96,602	95,528	-4.9	+1.1	+0.7	76,220	107,699	97,818	67,794	+12.4	657,992	584,545
Household durable goods	8,065	8,108	8,101	-0.5	+0.1	+1.3	7,084	8,371	7,707	6,510	+8.8	53,411	49,125
Information technology industries	17,297	17,782	17,439	-2.7	+2.0	+0.3	14,539	21,348	16,191	12,938	+12.4	116,187	99,433
Health care equipment and products	8,448	8,512	8,503	-0.8	+0.1	+0.2	7,814	9,129	8,023	7,600	+2.8	57,992	55,985
NEW ORDERS													
All manufacturing industries	273,263	279,788	277,441	-2.3	+0.8	+0.8	250,551	298,809	279,116	230,096	+8.9	1,912,670	1,754,164
Market categories :													
Automotive equipment	11,886	13,790	13,540	-13.8	+1.8	-0.7	8,553	15,052	14,945	7,641	+11.9	95,263	81,875
Home goods and apparel	18,990	18,773	19,414	+1.2	-3.3	+2.2	18,309	19,451	18,310	16,715	+9.5	129,320	119,719
Consumer staples	58,423	58,426	57,709	0.0	+1.2	-1.0	56,442	61,416	57,355	55,089	+2.5	399,241	391,080
Machinery and equipment	46,762	50,308	47,359	-7.0	+6.2	-0.6	39,752	56,493	47,786	34,156	+16.4	334,381	286,505
Business supplies	21,153	20,980	20,927	+0.8	+0.3	+1.4	20,084	21,629	21,120	18,292	+9.8	143,044	134,624
Construction materials and supplies	17,966	17,852	17,804	+0.6	+0.3	+0.3	17,388	19,487	18,412	15,562	+11.7	123,788	113,236
Defense products	6,441	7,581	7,713	-15.0	-1.7	+20.2	5,394	7,843	6,492	6,247	-13.7	45,127	44,84
Other materials, supplies and and intermediate products	91,642	92,078	92,975	-0.5	-1.0	+1.3	84,629	97,438	94,696	76,394	+10.8	642,506	582,28
Durable goods industries :													
Nondefense capital goods [3]	36,272	38,055	35,498	-4.7	+7.2	-0.9	31,693	43,450	34,311	26,087	+21.5	250,612	211,09
Excluding aircraft and parts	33,421	34,502	32,103	-3.1	+7.5	-2.5	29,479	38,910	31,096	24,210	+21.8	225,020	187,058
Defense capital goods [4]	5,865	7,051	7,180	-16.8	-1.8	+14.3	4,794	7,280	5,921	5,974	-19.8	41,582	43,040
Durables excluding capital goods	102,616	106,106	106,734	-3.3	-0.6	+1.4	89,683	112,873	110,620	80,542	+11.3	737,396	652,608
Miscellaneous series :													
Producers' durable equipment	92,301	98,703	95,468	-6.5	+3.4	+0.6	77,399	108,579	97,591	68,154	+13.6	665,235	578,02
Household durable goods	8,069	8,146	8,501	-0.9	-4.2	+8.8	7,347	8,236	8,037	6,858	+7.1	54,863	50,559
Information technology industries	17,979	18,422	17,223	-2.4	+7.0	-3.5	15,217	21,768	16,611	12,720	+19.6	119,004	100,050
Health care equipment and products	8,411	8,377	8,422	+0.4	-0.5	+1.4	7,779	8,994	7,943	7,657	+1.6	57,378	55,653

[p] Preliminary. [r] Revised.

[1] Topical series are regroupings of the separate industry categories.

[2] Shipments and new orders are the totals for the period and are adjusted for trading-day and calendar-month variations.

[3] Nondefense capital goods industries include : ordnance and accessories; steam, gas and hydraulic turbines; internal combustion engines; construction, mining, and material handling equipment; metalworking machinery; special industry machinery; general industrial machinery; computer and office equipment; refrigeration, heating and ventilation equipment; electrical transmission and distribution equipment; electrical industrial apparatus; communications equipment; aircraft, missiles, space vehicles, and engines and parts; ships and tank components; railroad equipment; and search and navigation equipment.

[4] Defense capital goods industries include : ordnance and accessories; communications equipment; aircraft, missiles, space vehicles, and engines and parts; ships and tank components; and search and navigation equipment.

See note at end of table 2 relating to survey variability.

Table 6. VALUE OF MANUFACTURERS' UNFILLED ORDERS AND TOTAL INVENTORIES FOR TOPICAL SERIES[1]
(Millions of dollars)

Industry	Seasonally adjusted						Not seasonally adjusted				
	Monthly			Percent Change			Monthly				Percent change
	July 1994[p]	June 1994[r]	May 1994	June-July	May-June	Apr.-May	July 1994[p]	June 1994[r]	May 1994	July 1993	July 94/93
UNFILLED ORDERS											
All manufacturing industries	449,019	449,767	448,546	-0.2	+0.3	+0.3	450,779	450,531	452,069	459,068	-1.8
arket categories :											
Automotive equipment	2,070	2,068	1,993	+0.1	+3.8	+1.0	2,074	2,021	2,002	1,759	+17.9
Home goods and apparel	10,720	10,638	10,707	+0.8	-0.6	+2.3	11,486	11,048	11,200	11,230	+2.3
Consumer staples	1,509	1,488	1,498	+1.4	-0.7	+3.7	1,536	1,472	1,418	1,443	+6.4
Machinery and equipment	181,331	181,547	180,670	-0.1	+0.5	-0.5	181,306	181,567	181,288	187,087	-3.1
Business supplies	5,708	5,681	5,739	+0.5	-1.0	+1.6	5,742	5,707	5,830	5,465	+5.1
Construction materials and supplies	15,136	15,011	14,821	+0.8	+1.3	+0.8	15,439	15,181	15,060	14,881	+3.7
Defense products	107,174	108,028	107,709	-0.8	+0.3	+0.4	106,515	107,815	107,718	115,987	-8.2
Other materials, supplies and and intermediate products	125,371	125,306	125,409	+0.1	-0.1	+1.0	126,681	125,720	127,553	121,216	+4.5
urable goods industries :											
Nondefense capital goods [3]	199,380	199,670	198,930	-0.1	+0.4	-0.4	199,058	199,334	199,226	204,589	-2.7
Excluding aircraft and parts	85,050	83,579	81,680	+1.8	+2.3	+0.3	84,728	83,243	81,976	71,378	+18.7
Defense capital goods [4]	112,832	113,782	113,592	-0.8	+0.2	+0.3	112,280	113,649	113,739	122,430	-8.3
Durables excluding capital goods	112,749	112,332	112,061	+0.4	+0.2	+1.1	114,609	112,990	114,506	108,921	+5.2
iscellaneous series :											
Producers' durable equipment	212,968	212,559	210,458	+0.2	+1.0	0.0	213,386	212,207	211,327	211,850	+0.7
Household durable goods	5,902	5,898	5,860	+0.1	+0.6	+7.3	6,287	6,024	6,159	5,860	+7.3
Information technology industries	34,598	33,916	33,276	+2.0	+1.9	-0.6	34,903	34,225	33,805	31,733	+10.0
Health care equipment and products	6,871	6,907	7,043	-0.5	-1.9	-1.1	6,872	6,907	7,043	8,118	-15.3
TOTAL INVENTORIES											
All manufacturing industries	386,408	383,106	382,382	+0.9	+0.2	+0.5	387,377	381,411	385,391	381,635	+1.5
arket categories :											
Automotive equipment	6,251	6,119	6,095	+2.2	+0.4	+1.0	6,062	5,897	6,024	5,877	+3.1
Home goods and apparel	31,067	30,928	30,731	+0.4	+0.6	+0.1	32,031	32,113	31,993	31,230	+2.6
Consumer staples	58,627	58,137	58,003	+0.8	+0.2	+0.4	58,020	56,798	57,331	58,236	-0.4
Machinery and equipment	92,828	91,950	91,550	+1.0	+0.4	+1.5	92,824	91,183	92,844	88,581	+4.8
Business supplies	21,294	20,918	21,044	+1.8	-0.6	0.0	21,538	20,898	21,160	21,603	-0.3
Construction materials and supplies	24,787	24,510	24,340	+1.1	+0.7	+0.3	24,925	24,715	24,659	23,556	+5.8
Defense products	23,625	23,607	23,933	+0.1	-1.4	-2.1	23,921	23,706	24,177	26,928	-11.2
Other materials, supplies and and intermediate products	127,929	126,937	126,686	+0.8	+0.2	+0.4	128,056	126,101	127,203	125,624	+1.9
urable goods industries :											
Nondefense capital goods [3]	87,494	86,907	86,524	+0.7	+0.4	+1.5	87,888	86,267	87,825	84,079	+4.5
Excluding aircraft and parts	60,904	60,338	59,880	+0.9	+0.8	+1.0	61,480	60,087	60,930	56,047	+9.7
Defense capital goods [4]	24,566	24,480	24,944	+0.4	-1.9	-2.3	24,887	24,620	25,224	28,489	-12.6
Durables excluding capital goods	131,152	129,652	129,071	+1.2	+0.5	+0.5	131,278	129,388	129,952	125,933	+4.2
iscellaneous series :											
Producers' durable equipment	149,033	147,461	146,844	+1.1	+0.4	+1.2	149,218	146,779	148,606	142,171	+5.0
Household durable goods	13,607	13,559	13,506	+0.4	+0.4	-0.3	13,916	13,886	13,940	13,754	+1.2
Information technology industries	32,608	32,560	32,288	+0.1	+0.8	+0.8	33,055	32,256	32,891	30,107	+9.8
Health care equipment and products	13,666	13,615	13,604	+0.4	+0.1	+0.6	13,764	13,713	13,872	13,687	+0.6

See footnotes at end of table 5.

See note at end of table 2 relating to survey variability.

Table 7. VALUE OF MANUFACTURERS' INVENTORIES, BY STAGE OF FABRICATION, BY INDUSTRY GROUP
(Millions of dollars)

Industry	Seasonally adjusted						Not seasonally adjusted				
	Monthly			Percent Change			Monthly				Percent change
	July 1994[p]	June 1994[r]	May 1994	June-July	May-June	Apr.-May	July 1994[p]	June 1994[r]	May 1994	July 1993	July 94/93
MATERIALS AND SUPPLIES											
All manufacturing industries	123,462	122,764	122,184	+0.6	+0.5	+0.7	123,517	121,883	121,542	120,669	+2.4
Durable goods industries	71,576	70,763	70,231	+1.1	+0.8	+0.9	71,663	70,139	69,755	68,216	+5.1
Stone, clay, and glass products	2,545	2,524	2,580	+0.8	-2.2	+0.4	2,560	2,525	2,575	2,523	+1.5
Primary metals	6,034	6,021	6,034	+0.2	-0.2	+1.6	6,083	5,965	5,875	6,216	-2.1
Fabricated metal products	8,051	7,932	7,854	+1.5	+1.0	+1.0	8,077	7,939	7,702	7,676	+5.2
Industrial machinery and equipment	15,833	15,532	15,251	+1.9	+1.8	+1.9	15,906	15,414	15,281	14,258	+11.6
Electronic and other electrical equipment	11,978	11,806	11,609	+1.5	+1.7	+1.5	12,106	11,771	11,690	10,599	+14.2
Transportation equipment	11,101	10,965	10,945	+1.2	+0.2	+0.2	10,928	10,788	10,957	11,533	-5.2
Instruments and related products	6,659	6,680	6,723	-0.3	-0.6	+0.2	6,693	6,722	6,784	6,841	-2.2
Lumber, furniture and miscellaneous durable goods	9,375	9,303	9,235	+0.8	+0.7	-0.3	9,310	9,015	8,891	8,570	+8.6
Nondurable goods industries	51,886	52,001	51,953	-0.2	+0.1	+0.5	51,854	51,744	51,787	52,453	-1.1
Food and kindred products	9,817	10,045	9,916	-2.3	+1.3	+0.2	9,597	9,875	9,801	9,913	-3.2
Tobacco products	5,002	5,068	5,116	-1.3	-0.9	-0.1	4,712	4,829	4,996	5,001	-5.8
Textile mill products	2,770	2,757	2,785	+0.5	-1.0	+1.0	2,858	2,795	2,864	2,685	+6.4
Paper and allied products	6,659	6,631	6,658	+0.4	-0.4	+0.2	6,660	6,601	6,637	6,763	-1.5
Chemicals and allied products	11,270	11,173	11,272	+0.9	-0.9	+0.2	11,348	11,192	11,300	11,529	-1.6
Petroleum and coal products	3,060	3,089	3,024	-0.9	+2.1	+1.6	3,124	3,151	3,089	3,136	-0.4
Rubber and plastics products	4,640	4,588	4,546	+1.1	+0.9	0.0	4,646	4,517	4,527	4,420	+5.1
Apparel, printing and publishing and leather goods	8,668	8,650	8,636	+0.2	+0.2	+1.4	8,909	8,784	8,573	9,006	-1.1
WORK IN PROCESS											
All manufacturing industries	130,546	129,760	128,909	+0.6	+0.7	+0.6	130,929	128,762	129,516	130,264	+0.5
Durable goods industries	106,620	106,108	105,506	+0.5	+0.6	+0.5	106,954	105,479	106,181	107,033	-0.1
Stone, clay, and glass products	1,040	1,043	1,053	-0.3	-0.9	-1.5	1,059	1,057	1,089	1,138	-6.9
Primary metals	7,577	7,389	7,269	+2.5	+1.7	+0.5	7,609	7,320	7,274	6,994	+8.8
Fabricated metal products	7,722	7,478	7,468	+3.3	+0.1	+1.7	7,748	7,432	7,533	7,596	+2.0
Industrial machinery and equipment	19,018	19,403	18,621	-2.0	+4.2	-1.1	18,991	19,081	18,695	18,067	+5.1
Electronic and other electrical equipment	15,330	15,082	14,916	+1.6	+1.1	+2.5	15,494	15,113	15,184	14,047	+10.3
Transportation equipment	41,661	41,441	41,920	+0.5	-1.1	+0.5	41,589	41,060	42,007	44,711	-7.0
Instruments and related products	9,272	9,329	9,306	-0.6	+0.2	+0.7	9,421	9,415	9,372	9,896	-4.8
Lumber, furniture and miscellaneous durable goods	5,000	4,943	4,953	+1.2	-0.2.	-0.5	5,043	5,001	5,027	4,584	+10.0
Nondurable goods industries	23,926	23,652	23,403	+1.2	+1.1	+0.9	23,975	23,283	23,335	23,231	+3.2
Food and kindred products	4,149	4,116	4,034	+0.8	+2.0	+0.3	3,886	3,832	3,753	3,552	+9.4
Tobacco products	173	171	167	+1.2	+2.4	-12.6	127	126	129	134	-5.2
Textile mill products	2,610	2,571	2,571	+1.5	0.0	+0.4	2,638	2,558	2,613	2,503	+5.4
Paper and allied products	1,201	1,201	1,214	0.0	-1.1	+2.2	1,235	1,228	1,225	1,246	-0.9
Chemicals and allied products	5,516	5,504	5,480	+0.2	+0.4	+0.9	5,543	5,458	5,587	5,811	-4.6
Petroleum and coal products	2,317	2,271	2,255	+2.0	+0.7	+1.1	2,384	2,303	2,278	2,640	-9.7
Rubber and plastics products	1,854	1,829	1,789	+1.4	+2.2	+1.1	1,821	1,770	1,776	1,673	+8.8
Apparel, printing and publishing and leather goods	6,106	5,989	5,893	+2.0	+1.6	+1.3	6,341	6,008	5,974	5,672	+11.8
FINISHED GOODS											
All manufacturing industries	132,400	130,582	131,289	+1.4	-0.5	+0.1	132,931	130,766	134,333	130,702	+1.7
Durable goods industries	65,016	64,168	64,802	+1.3	-1.0	+0.3	65,436	64,657	67,065	63,252	+3.5
Stone, clay, and glass products	3,880	3,810	3,836	+1.8	-0.7	-0.7	3,903	3,826	3,979	4,067	-4.0
Primary metals	6,313	6,289	6,298	+0.4	-0.1	-0.9	6,308	6,255	6,473	6,108	+3.3
Fabricated metal products	7,992	7,803	7,740	+2.4	+0.8	-1.1	8,091	8,061	8,078	7,919	+2.2
Industrial machinery and equipment	13,958	13,601	14,249	+2.6	-4.5	+1.1	14,008	13,471	14,620	12,992	+7.8
Electronic and other electrical equipment	9,733	9,564	9,546	+1.8	+0.2	+0.1	10,013	9,918	10,071	8,749	+14.4
Transportation equipment	7,923	7,916	7,997	+0.1	-1.0	+0.9	7,847	7,623	8,029	8,566	-8.4
Instruments and related products	5,934	5,974	5,973	-0.7	0.0	+1.9	5,964	6,029	6,153	6,063	-1.6
Lumber, furniture and miscellaneous durable goods	9,283	9,211	9,163	+0.8	+0.5	-0.1	9,302	9,474	9,662	8,788	+5.8
Nondurable goods industries	67,384	66,414	66,487	+1.5	-0.1	-0.1	67,495	66,109	67,268	67,450	+0.1
Food and kindred products	16,870	16,410	16,614	+2.8	-1.2	+0.6	16,575	15,411	15,921	15,840	+4.6
Tobacco products	716	724	736	-1.1	-1.6	+9.7	716	699	719	1,198	-40.2
Textile mill products	4,311	4,338	4,325	-0.6	+0.3	-0.7	4,370	4,411	4,543	4,211	+3.8
Paper and allied products	5,664	5,651	5,614	+0.2	+0.7	-0.4	5,630	5,688	5,884	5,529	+1.8
Chemicals and allied products	17,474	17,315	17,330	+0.9	-0.1	-0.4	17,245	17,085	17,458	17,324	-0.5
Petroleum and coal products	5,285	5,082	5,017	+4.0	+1.3	+0.9	5,389	5,103	5,104	5,480	-1.7
Rubber and plastics products	6,119	6,050	6,013	+1.1	+0.6	-0.7	6,059	6,083	6,163	5,970	+1.5
Apparel, printing and publishing and leather goods	10,945	10,844	10,838	+0.9	+0.1	-1.2	11,511	11,629	11,476	11,898	-3.3

[p] Preliminary. [r] Revised.

See note at end of table 2 relating to survey variability.

Table 8. RATIOS OF MANUFACTURES' INVENTORIES TO SHIPMENTS AND UNFILLED ORDERS TO SHIPMENTS, BY INDUSTRY GROUP
(Based on seasonally adjusted data)

Industry	Inventory / Shipments ratio				Unfilled Orders / Shipments ratio[1]			
	July 1994[p]	June 1994[r]	May 1994	Apr. 1994	July 1994[p]	June 1994[r]	May 1994	Apr. 1994
All manufacturing industries	1.41	1.38	1.38	1.39	3.01	2.98	3.01	3.04
urable goods industries	1.67	1.61	1.62	1.63	3.62	3.58	3.60	3.64
Stone, clay, and glass products	1.12	1.11	1.13	1.13	1.17	1.17	1.22	1.21
Primary metals	1.56	1.55	1.55	1.59	2.00	1.99	1.98	1.98
Fabricated metal products	1.58	1.55	1.53	1.53	1.50	1.49	1.47	1.46
ndustrial machinery and equipment	1.80	1.79	1.79	1.81	2.43	2.37	2.33	2.34
Electronic and other electrical equipment	1.63	1.61	1.61	1.60	2.03	2.06	2.11	2.14
Transportation equipment	1.78	1.56	1.62	1.60	11.73	10.92	11.31	11.41
nstruments and related products	2.02	1.98	1.99	2.00	4.52	4.41	4.40	4.52
ondurable goods industries	1.11	1.11	1.11	1.11	0.76	0.76	0.76	0.77
Food and kindred products	0.88	0.86	0.88	0.87	(X)	(X)	(X)	(X)
Tobacco products	2.22	2.45	2.38	1.86	(X)	(X)	(X)	(X)
Textile mill products	1.56	1.55	1.56	1.60	(NA)	(NA)	(NA)	(NA)
Paper and allied products	1.20	1.20	1.21	1.24	(NA)	(NA)	(NA)	(NA)
Chemicals and allied products	1.22	1.21	1.22	1.23	(X)	(X)	(X)	(X)
Petroleum and coal products	0.87	0.86	0.87	0.86	(X)	(X)	(X)	(X)
Rubber and plastics products	1.37	1.33	1.31	1.33	(X)	(X)	(X)	(X)

[p] Preliminary. [r] Revised. (X) Not applicable. (NA) Not available.

[1] Excludes the following industries with no unfilled orders : Wood and lumber products; glass containers; metal cans, barrels and drums; farm and garden machinery; otor vehicle assembly operations; other transportation equipment; foods and related products; tobacco; knitting mill products; apparel and related products; chemicals; etroleum and coal products; and rubber and plastics products.

Table 9. REVISIONS TO PREVIOUSLY PUBLISHED MONTHLY PERCENT CHANGES
(Based on seasonally adjusted data)

Industry	Shipments			New orders			Unfilled orders			Inventories		
	July[1] 1994	July[2] 1989-1993	July 1993-June 1994	July[1] 1994	July[2] 1989-1993	July 1993-June 1994	July[1] 1994	July[2] 1989-1993	July 1993-June 1994	July[1] 1994	July[2] 1989-1993	July 1993-June 1994
All manufacturing industries	(X)	0.1	0.2	(X)	0.1	0.2	(X)	0.1	0.1	(X)	0.1	0.1
urable goods industries	-0.2	0.2	0.2	-0.1	0.2	0.3	0.0	0.0	0.1	(X)	0.3	0.1
Stone, clay, and glass products	(X)	0.6	0.6	(X)	1.4	1.5	(X)	0.8	1.0	(X)	0.3	0.2
Primary metals	-0.4	0.4	0.4	0.4	0.8	0.9	0.4	0.4	0.5	(X)	0.2	0.2
Fabricated metal products	(X)	0.4	0.4	(X)	0.5	0.5	(X)	0.2	0.3	(X)	0.2	0.3
ndustrial machinery and equipment	0.2	0.4	0.5	0.2	0.4	0.7	-0.1	0.2	0.2	(X)	0.1	0.2
Electronic and other electrical equipment	-0.5	0.3	0.3	-0.4	0.8	0.6	0.1	0.2	0.3	(X)	0.1	0.1
Transportation equipment	0.0	0.3	0.4	0.1	0.3	0.7	0.1	0.1	0.1	(X)	0.7	0.2
nstruments and related products	(X)	0.4	0.5	(X)	0.6	2.2	(X)	0.1	0.4	(X)	0.2	0.3
ondurable goods industries	(X)	0.1	0.2	(X)	0.2	0.2	(X)	0.3	0.4	(X)	0.1	0.1
Food and kindred products	(X)	0.2	0.3	(X)	(X)	(X)	(X)	(X)	(X)	(X)	0.2	0.1
Tobacco products	(X)	0.3	0.2	(X)	(X)	(X)	(X)	(X)	(X)	(X)	0.0	0.0
Textile mill products	(X)	0.5	0.3	(X)	(NA)	(NA)	(X)	(NA)	(NA)	(X)	0.2	0.2
Paper and allied products	(X)	0.4	0.3	(X)	(NA)	(NA)	(X)	(NA)	(NA)	(X)	0.6	0.1
Chemicals and allied products	(X)	0.3	0.2	(X)	(X)	(X)	(X)	(X)	(X)	(X)	0.2	0.2
Petroleum and coal products	(X)	0.3	0.6	(X)	(X)	(X)	(X)	(X)	(X)	(X)	0.2	0.4
Rubber and plastics products	(X)	0.5	0.2	(X)	(X)	(X)	(X)	(X)	(X)	(X)	0.3	0.1
pital goods industries :												
Nondefense	0.3	0.4	0.5	0.6	0.4	0.6	0.1	0.1	0.1	(X)	0.5	0.1
Defense	0.4	0.2	0.4	-0.4	0.4	5.7	0.0	0.0	0.3	(X)	0.2	0.2

(X) Not applicable. (NA) Not available.

Note : The five year and the twelve month revisions are the differences between the month-to-month percent changes of the preliminary and final estimates. The onthly averages are the simple averages of the absolute values of the differences for the months specified. The advance to final percent change revisions for the urable goods industries are shown in the advance report for the month.

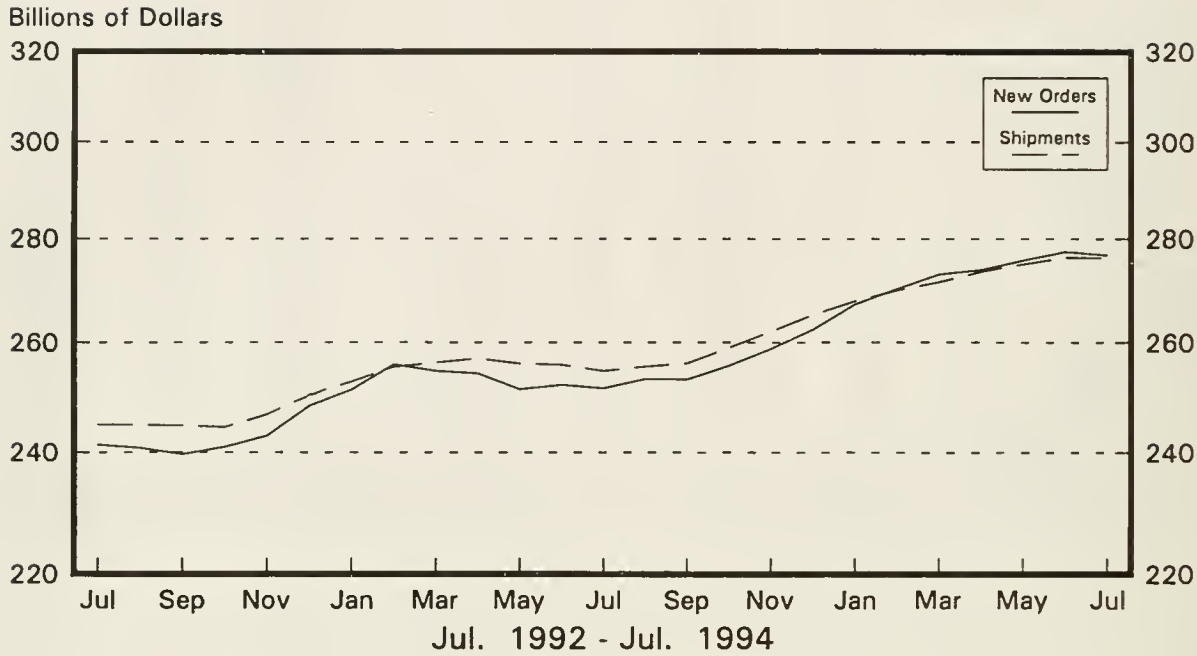
[1] The current month revisions are the difference between the advance percent change and the percent change as shown in this publication.

[2] Average for this month for the last five years.

See note at end of table 2 relating to survey variability.

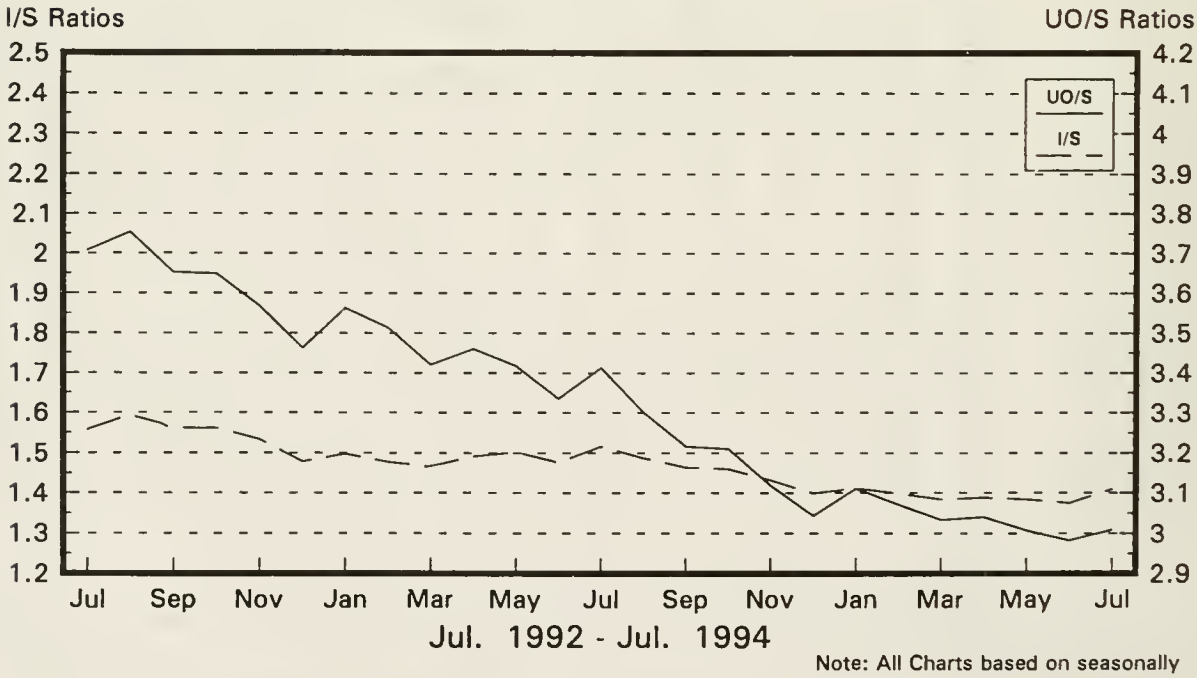
Total Manufacturing

New Orders and Shipments
Three Month Moving Averages



Total Manufacturing

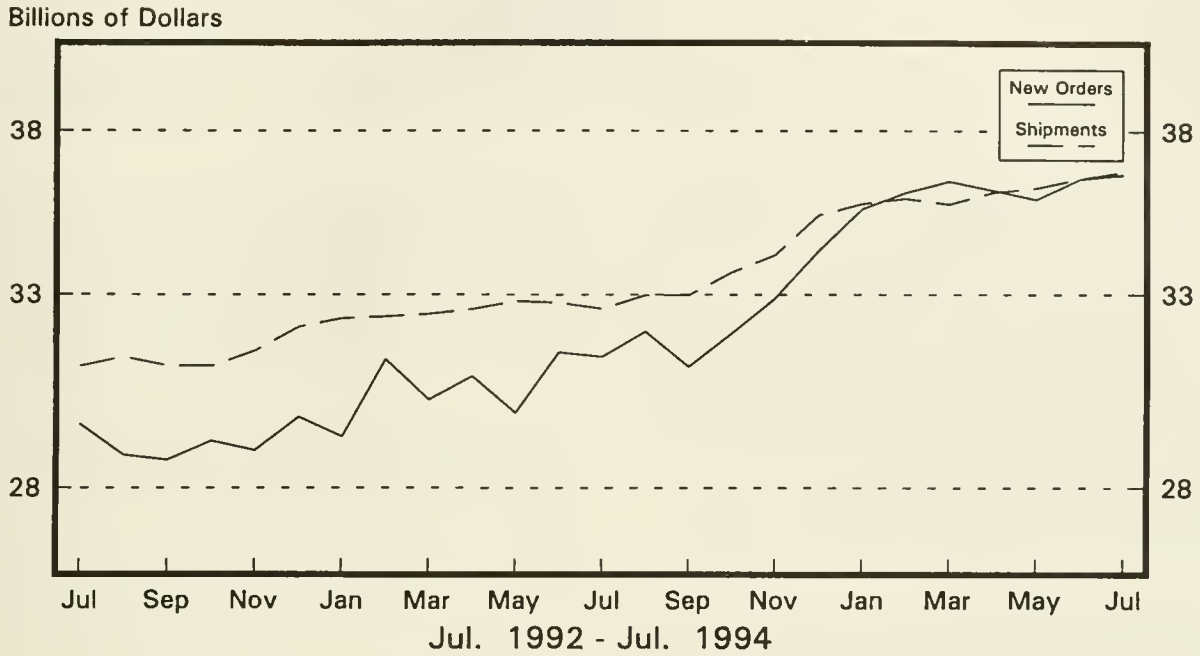
Ratio of Unfilled Orders and
Inventories to Shipments



Note: All Charts based on seasonally adjusted current dollars.

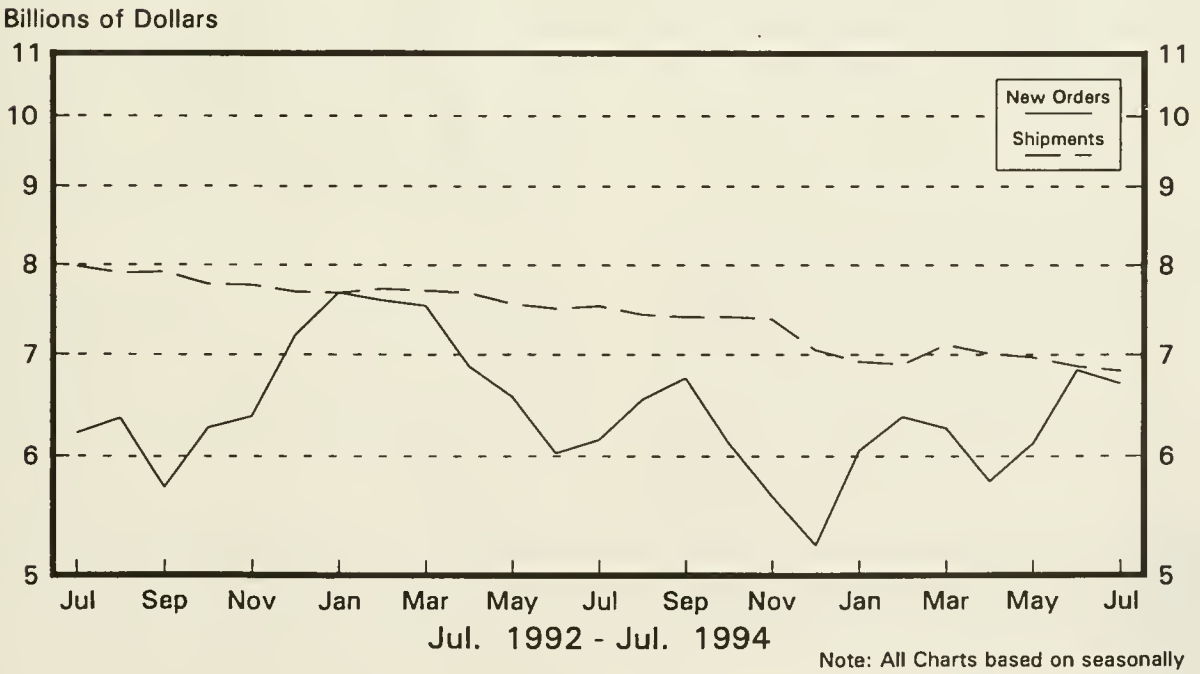
Nondefense Capital Goods

New Orders and Shipments
Three Month Moving Averages



Defense Capital Goods

New Orders and Shipments
Three Month Moving Averages



Note: All Charts based on seasonally adjusted current dollars.

U.S. Department of Commerce
BUREAU OF THE CENSUS
Washington, D.C. 20233

Official Business

Penalty for Private Use, $300

U.S.MAI

POSTAGE AND FEES
U S DEPARTMENT OF COMM

COM

First Class Mail

3. 158:M 3-1-(94)-08
ent Industrial Reports, Manufac...
DEC 9 1994

Manufacturers' Shipments, Inventories, and Orders

U. S. Department of Commerce
Economics and Statistics Administration
BUREAU OF THE CENSUS

August 1994
M3-1-(94)-08
For Wire Transmissions 10:00 a.m. E.D.T. October 5, 1994

Kathy Menth or Gloria Cable
(301)763-2502 or (301)763-2575

Note: All figures in text are in seasonally adjusted current dollars

Summary

New orders for manufactured goods in August increased $12.2 billion or 4.4 percent to $286.5 billion, the largest increase since December 1992, the Department of Commerce, Bureau of the Census reported today. This follows a 2.0 percent decrease in July and is the eleventh increase in the last thirteen months. Year-to-date new orders for 1994 are 9.3 percent above the same period a year ago.

Shipments increased $12.4 billion or 4.5 percent to $287.9 billion, following a 1.1 percent decrease in July. This is the largest increase since May 1979 and is the tenth increase in the last thirteen months. Year-to-date shipments for 1994 are 8.0 percent above the same period a year ago.

Unfilled orders decreased $1.4 billion or 0.3 percent to $447.2 billion, following a 0.3 percent decline in July. The unfilled orders-to-shipments ratio decreased to 2.89 from 2.99 in July, the lowest since May 1964.

Inventories increased $0.4 billion or 0.1 percent to $387.1 billion, following a 0.9 percent increase in July. This is the seventh increase this year. The inventories-to-shipments ratio decreased from 1.40 in July to 1.34 in August, the lowest on record.

New Orders

New orders for manufactured durable goods in August increased $8.9 billion or 6.1 percent to $154.2 billion, following a 3.9 percent decrease last month. The August percent change is revised from the previously published 6.0 percent increase. The increase is the eleventh in the last thirteen months and the largest since December 1992. Motor vehicles and parts, which was heavily affected by the growing practice of shutting down for two weeks in July, contributed to over half of this month's increase and over half of last month's decline.

Transportation equipment had the largest increase, up $6.2 billion or 19.3 percent to $38.5 billion, primarily due to motor vehicles and parts and aircraft and aircraft parts. Industrial machinery and equipment was up $1.3 billion or 4.6 percent to $29.8 billion, following a 1.2 percent decline in July; nearly all components increased in August with engines and turbines having the largest increase. Primary metals increased $0.5 billion or 4.0 percent to $13.5 billion, following a 0.6 percent decrease in July.

New orders for nondurable goods were $132.3 billion, up $3.2 billion or 2.5 percent from July, the tenth consecutive increase and the largest since August 1990. All major industries increased except leather and leather products.

Shipments

Shipments of durable goods in August increased $9.1 billion or 6.2 percent to $155.6 billion, following a 2.4 percent decline in July. The August percent change is revised from the previously published 6.1 percent increase. This is the fifth increase this year and the largest since August 1989. All major groups increased with transportation equipment having the largest increase, up $5.9 billion or 17.0 percent to $40.6 billion, primarily due to motor vehicles and parts. This is the largest increase since the 22.0 percent increase in February 1990. Industrial machinery and equipment was up $1.2 billion or 4.3 percent to $28.4 billion. This follows a July increase of 0.5 percent and is the fourth consecutive monthly increase. Primary metals was up $0.5 billion or 3.9 percent to $13.3 billion, the seventh consecutive increase.

Shipments of nondurable goods increased $3.2 billion or 2.5 percent to $132.2 billion, the tenth consecutive monthly increase and the largest since August 1990.

Unfilled Orders

Unfilled orders for durable goods in August decreased $1.4 billion or 0.3 percent to $423.1 billion. The percent change is the same as reported earlier. This is the second consecutive decline following three increases in a row. Transportation equipment, down twenty-seven of the last twenty-eight months, had the largest decrease, down $2.0 billion or 1.0 percent to $204.2 billion, due to aircraft and parts and shipbuilding and tanks. Electronic and other electrical equipment declined $0.7 billion or 1.5 percent to $45.4 billion, following a 1.3 percent decline in July. Industrial machinery and equipment, up for the fourteenth consecutive month, had the largest increase, up $1.4 billion or 2.2 percent to $63.0 billion, with increases in nearly all categories. Unfilled orders for nondurable goods increased 0.1 percent to $24.1 billion, the tenth consecutive increase.

Inventories

Inventories for durable goods in August increased $0.6 billion or 0.3 percent to $244.0 billion, following a 1.0 percent increase in July. This is the fifth consecutive increase and the seventh this year. Electronic and other electrical equipment had the largest increase, up $0.6 billion or 1.5 percent to $37.7 billion, the twentieth increase in the last twenty-two months. Industrial machinery and equipment increased $0.4 billion or 0.8 percent to $49.3 billion, the seventeenth consecutive increase. Transportation equipment decreased $0.4 billion or 0.6 percent to $60.2 billion, primarily due to motor vehicles and parts. Nondurable goods inventories decreased $0.2 billion or 0.1 percent to $143.1 billion, the first decline since April.

By stage of fabrication, finished goods increased 0.7 percent in durables and declined 0.3 percent in nondurables. Work in process decreased 0.1 percent in durables and 0.1 percent in nondurables. Materials and supplies increased 0.4 percent in durables and were unchanged for nondurables.

The advance report on durable goods for September is scheduled for October 26, 1994 at 8:30 a.m. and the full report on November 2, 1994 at 10:00 a.m. For sale by the Superintendent of Documents, U.S. Government Printing Office, Washington, DC 20402. This report is also available the day of issue through the Department of Commerce's online Economic Bulletin Board (N-8-1) (202-482-3870) and through the Census Bureau's online information service--CENDATA. CENDATA is available from Dialog Information Services, Inc. (1-800-334-2564) and CompuServe (1-800-848-8199). The CENDATA staff at the Bureau of the Census (301-763-2074) can provide content information and general guidance.

Table 1. VALUE OF MANUFACTURERS' SHIPMENTS FOR INDUSTRY GROUPS
(Millions of dollars)

Industry	Seasonally adjusted						Not seasonally adjusted[1]						
	Monthly			Percent Change			Monthly				Percent change	Year to date	
	Aug. 1994[p]	July 1994[r]	June 1994	July-Aug.	June-July	May-June	Aug. 1994[p]	July 1994[r]	June 1994	Aug. 1993	Aug. 94/93	1994[p]	1993
All manufacturing industries	287,860	275,485	278,566	+4.5	-1.1	+0.8	287,865	250,532	300,347	256,056	+12.4	2,188,343	2,023,338
Manufacturing Industries													
with unfilled orders	154,800	149,922	150,840	+3.3	-0.6	+1.1	153,171	134,095	163,628	136,292	+12.4	1,170,337	1,070,026
without defense capital goods	280,743	268,647	271,706	+4.5	-1.1	+0.8	281,011	244,368	292,977	249,304	+12.7	2,135,048	1,966,196
Durable goods industries	155,614	146,472	150,010	+6.2	-2.4	+1.0	152,453	126,385	165,101	131,934	+15.6	1,173,912	1,052,858
With unfilled orders	122,107	117,949	119,088	+3.5	-1.0	+1.1	119,668	103,728	131,266	106,234	+12.6	924,136	837,817
Stone, clay, and glass products	6,826	6,747	6,661	+1.2	+1.3	+0.9	7,318	6,558	7,336	6,247	+17.1	52,431	45,288
Primary metals	13,305	12,805	12,734	+3.9	+0.6	+0.5	13,446	11,650	13,514	11,452	+17.4	100,537	91,681
Blast furnaces, steel mills	5,909	5,706	5,645	+3.6	+1.1	-0.4	5,933	5,205	5,936	5,357	+10.8	45,299	41,923
Iron and steel foundries	1,271	1,183	1,154	+7.4	+2.5	-0.3	1,302	935	1,260	1,055	+23.4	9,456	8,180
Nonferrous and other primary metals	6,125	5,916	5,935	+3.5	-0.3	+1.5	6,211	5,510	6,318	5,040	+23.2	45,782	41,578
Fabricated metal products	15,745	15,149	14,954	+3.9	+1.3	-0.7	15,839	13,509	16,015	14,195	+11.6	119,868	111,379
Industrial machinery and equipment	28,417	27,253	27,125	+4.3	+0.5	+0.7	26,262	23,495	31,404	22,040	+19.2	211,408	183,408
Engines and turbines	1,939	1,643	2,033	+18.0	-19.2	+14.3	1,729	1,202	2,435	1,376	+25.7	13,685	11,545
Farm and garden machinery	1,957	1,790	1,707	+9.3	+4.9	-5.7	1,485	1,334	1,762	1,093	+35.9	14,885	12,362
Construction, mining and material handling equipment	2,867	2,767	2,693	+3.6	+2.7	+0.9	2,747	2,513	2,944	2,298	+19.5	21,652	19,646
Metalworking machinery	3,087	2,980	2,762	+3.6	+7.9	-3.6	2,917	2,472	2,975	2,352	+24.0	21,712	19,661
Computer and office equipment	7,369	7,178	7,343	+2.7	-2.2	+2.4	6,551	5,646	9,711	5,869	+11.6	54,350	46,493
Electronic and other electrical equipment	23,160	22,795	22,649	+1.6	+0.6	+1.3	22,886	20,290	24,422	19,426	+17.8	172,882	147,198
Electrical transmission and distribution equipment and industrial apparatus	2,662	2,646	2,636	+0.6	+0.4	+2.2	2,601	2,353	2,885	2,358	+10.3	20,687	18,844
Household appliances	1,933	1,879	1,915	+2.9	-1.9	+1.6	1,974	1,803	2,176	1,734	+13.8	14,970	13,102
Electric lighting and wiring equipment	1,862	1,809	1,753	+2.9	+3.2	-0.2	1,828	1,529	1,890	1,616	+13.1	13,859	13,050
Household audio and video equipment	1,084	1,069	1,012	+1.4	+5.6	-5.9	1,184	948	911	1,020	+16.1	7,353	6,637
Communications equipment	5,083	5,039	5,016	+0.9	+0.5	+3.9	4,836	4,354	5,642	3,811	+26.9	37,017	28,920
Electronic components	8,350	8,021	8,146	+4.1	-1.5	+2.5	8,367	7,373	8,622	6,875	+21.7	62,129	52,080
Transportation equipment	40,567	34,669	38,600	+17.0	-10.2	+2.5	38,755	25,997	42,830	32,645	+18.7	304,069	274,855
Motor vehicles and parts	29,201	23,954	27,102	+21.9	-11.6	+0.8	27,899	16,392	30,010	21,192	+31.6	216,474	181,544
Aircraft, missiles, space vehicles, and parts.	8,650	8,242	8,364	+5.0	-1.5	+4.8	8,109	7,291	9,598	9,167	-11.5	66,026	74,328
Shipbuilding and tanks	935	850	1,322	+10.0	-35.7	+16.4	918	807	1,396	928	-1.1	7,921	7,605
Instruments and related products	11,212	10,868	11,099	+3.2	-2.1	+0.5	10,892	9,795	12,222	10,467	+4.1	85,546	83,234
Search and navigation equipment	2,541	2,608	2,472	-2.6	+5.5	-1.2	2,413	2,306	2,712	2,475	-2.5	19,239	20,864
Measuring and controlling devices	3,285	3,139	3,219	+4.7	-2.5	+0.2	3,236	2,806	3,442	2,886	+12.1	25,027	22,68[illegible]
Medical instruments and supplies	3,057	3,006	3,011	+1.7	-0.2	+1.5	2,984	2,775	3,292	2,906	+2.7	23,493	22,940
Photographic goods	1,952	1,773	2,016	+10.1	-12.1	+1.6	1,874	1,572	2,357	1,856	+1.0	14,874	14,07[illegible]
All other durable goods	16,382	16,186	16,188	+1.2	0.0	+0.1	17,055	15,091	17,358	15,462	+10.3	127,171	115,81[illegible]
Nondurable goods industries	132,246	129,013	128,556	+2.5	+0.4	+0.7	135,412	124,147	135,246	124,122	+9.1	1,014,431	970,48[illegible]
With unfilled orders	32,693	31,973	31,752	+2.3	+0.7	+1.2	33,503	30,367	32,362	30,058	+11.5	246,201	232,20[illegible]
Food and kindred products	35,775	35,179	35,504	+1.7	-0.9	+1.7	36,243	33,698	36,879	35,577	+1.9	279,700	270,36[illegible]
Meat products	8,134	8,088	7,899	+0.6	+2.4	+0.8	8,411	7,946	8,182	8,300	+1.3	63,906	63,03[illegible]
Dairy products	4,590	4,503	4,543	+1.9	-0.9	-1.0	4,714	4,488	4,824	4,630	+1.8	36,871	35,77[illegible]
Beverages	5,329	5,184	5,254	+2.8	-1.3	+1.6	5,761	5,426	6,077	5,483	+5.1	42,146	39,61[illegible]
All other foods, except fats and oils	15,887	15,756	15,954	+0.8	-1.2	+2.8	15,522	14,190	15,942	15,387	+0.9	122,306	118,28[illegible]
Tobacco products	2,830	2,774	2,431	+2.0	+14.1	-3.7	2,802	2,516	2,854	1,871	+49.8	21,433	20,37[illegible]
Textile mill products	6,248	6,195	6,253	+0.9	-0.9	+1.0	6,681	5,511	6,904	6,288	+6.3	48,431	46,23[illegible]
Broadwoven fabrics and other textiles	3,872	3,827	3,910	+1.2	-2.1	+1.8	4,093	3,317	4,254	3,764	+8.7	30,109	28,76[illegible]
Paper and allied products	11,705	11,347	11,209	+3.2	+1.2	+0.4	12,039	11,144	11,751	10,865	+10.8	88,914	86,25[illegible]
Pulp, paper, and paperboard mill products	4,672	4,480	4,411	+4.3	+1.6	+0.3	4,770	4,457	4,613	4,351	+9.6	35,129	34,93[illegible]
Paperboard containers and boxes	3,108	2,974	2,937	+4.5	+1.3	+1.3	3,242	2,906	3,062	2,732	+18.7	23,156	21,28[illegible]
Miscellaneous converted paper products	3,925	3,893	3,861	+0.8	+0.8	-0.2	4,027	3,781	4,076	3,782	+6.5	30,629	30,03[illegible]
Chemicals and allied products	28,991	28,082	28,089	+3.2	0.0	+0.2	28,885	26,746	30,149	25,560	+13.0	224,284	209,92[illegible]
Industrial chemicals	15,253	14,809	14,727	+3.0	+0.6	+0.8	15,482	14,515	15,660	13,433	+15.3	116,970	108,60[illegible]
Drugs, soaps, and toiletries	10,432	10,092	10,134	+3.4	-0.4	-0.6	10,359	9,334	10,747	9,525	+8.8	79,411	75,77[illegible]
Petroleum and coal products	12,785	12,405	12,163	+3.1	+2.0	+2.5	13,603	12,873	13,071	12,452	+9.2	94,149	99,95[illegible]
Rubber and plastics products	9,709	9,269	9,382	+4.7	-1.2	-0.6	9,877	8,659	10,264	8,747	+12.9	75,108	69,43[illegible]
All other nondurable goods	24,203	23,762	23,525	+1.9	+1.0	-0.3	25,282	23,000	23,374	22,762	+11.1	182,412	167,93[illegible]

[p] Preliminary. [r] Revised.

[1] Shipments and new orders are the totals for the period and are adjusted for trading-day and calendar-month variations.

See note at end of table 2 relating to survey variability.

Table 2. VALUE OF MANUFACTURERS' NEW ORDERS FOR INDUSTRY GROUPS
(Millions of dollars)

Industry	Seasonally adjusted						Not seasonally adjusted[1]						
	Monthly			Percent Change			Monthly				Percent change	Year to date	
	Aug. 1994[p]	July 1994[r]	June 1994	July-Aug.	June-July	May-June	Aug. 1994[p]	July 1994[r]	June 1994	Aug. 1993	Aug. 94/93	1994[p]	1993
All manufacturing industries	286,459	274,305	279,788	+4.4	-2.0	+0.8	284,709	250,853	298,809	252,422	+12.8	2,197,681	2,006,586
nufacturing industries													
ith unfilled orders	153,399	148,742	152,062	+3.1	-2.2	+1.1	150,015	134,416	162,090	132,658	+13.1	1,179,675	1,053,274
ithout defense capital goods	280,487	268,759	272,737	+4.4	-1.5	+0.9	280,127	246,061	291,529	246,660	+13.6	2,151,519	1,957,784
rable goods industries	154,180	145,251	151,212	+6.1	-3.9	+1.2	149,203	126,414	163,603	128,446	+16.2	1,179,037	1,035,185
Vith unfilled orders	120,673	116,728	120,290	+3.4	-3.0	+1.4	116,418	103,757	129,768	102,746	+13.3	929,261	820,144
one, clay, and glass products	6,798	6,787	6,484	+0.2	+4.7	-0.9	7,336	6,922	6,987	6,362	+15.3	53,376	46,685
mary metals	13,539	13,020	13,098	+4.0	-0.6	-1.9	12,978	11,899	13,550	10,732	+20.9	104,814	93,190
Blast furnaces, steel mills	6,025	5,629	5,675	+7.0	-0.8	-1.4	5,870	5,107	5,851	5,112	+14.8	46,615	43,736
Iron and steel foundries	1,204	1,225	1,250	-1.7	-2.0	+1.4	1,145	1,054	1,339	931	+23.0	9,890	8,223
Nonferrous and other primary metals	6,310	6,166	6,173	+2.3	-0.1	-3.0	5,963	5,738	6,360	4,689	+27.2	48,309	41,231
bricated metal products	15,837	15,297	15,031	+3.5	+1.8	-2.0	16,009	13,753	15,981	14,148	+13.2	120,786	109,934
lustrial machinery and equipment	29,788	28,484	28,821	+4.6	-1.2	+3.0	27,914	24,720	32,532	22,583	+23.6	221,377	184,063
Engines and turbines	2,517	1,696	2,015	+48.4	-15.8	+4.5	2,607	1,431	2,518	1,604	+62.5	14,300	11,578
Construction, mining and material handling equipment	2,843	2,738	2,853	+3.8	-4.0	+3.0	2,711	2,430	3,019	2,426	+11.7	22,333	19,687
Metalworking machinery	3,273	3,046	3,176	+7.5	-4.1	+10.0	3,103	2,538	3,389	2,479	+25.2	23,755	19,328
Computer and office equipment	7,630	7,756	7,683	-1.6	+1.0	+0.9	6,953	6,182	9,827	5,839	+19.1	57,457	46,722
ctronic and other lectrical equipment	22,454	22,183	22,190	+1.2	0.0	+0.1	21,898	20,133	23,186	19,516	+12.2	173,712	149,051
Electrical transmission and distribution equipment and industrial apparatus	2,604	2,613	2,593	-0.3	+0.8	+1.6	2,532	2,369	2,806	2,438	+3.9	20,887	19,111
Electric lighting and wiring equipment	1,877	1,870	1,800	+0.4	+3.9	-0.3	1,843	1,590	1,937	1,615	+14.1	14,148	13,268
Communications equipment	4,721	4,866	4,700	-3.0	+3.5	+6.1	4,413	4,215	5,322	3,948	+11.8	35,967	29,089
Electronic components	8,152	7,830	7,696	+4.1	+1.7	-3.3	7,925	7,409	7,538	6,725	+17.8	63,252	52,561
nsportation equipment	38,528	32,297	37,910	+19.3	-14.8	+2.2	35,885	23,325	41,930	29,749	+20.6	293,885	254,159
Aircraft, missiles, space vehicles, and parts.	6,975	5,466	8,043	+27.6	-32.0	-1.2	5,622	4,055	9,319	6,253	-10.1	56,707	53,327
Shipbuilding and tanks	424	877	682	-51.7	+28.6	+32.7	406	820	742	896	-54.7	4,824	6,985
struments and related products	10,777	10,922	11,508	-1.3	-5.1	+10.5	10,216	10,195	12,317	9,983	+2.3	82,403	80,766
Search and navigation equipment	2,337	2,528	3,150	-7.6	-19.7	+50.1	1,955	2,572	3,072	2,267	-13.8	16,486	19,004
Measuring and controlling devices	3,191	3,250	3,126	-1.8	+4.0	+1.2	3,142	2,917	3,349	2,767	+13.6	25,331	22,517
Medical instruments and supplies	2,931	3,046	2,875	-3.8	+5.9	-0.4	2,858	2,815	3,156	2,752	+3.9	22,828	22,451
l other durable goods	16,459	16,261	16,169	+1.2	+0.6	-2.1	16,967	15,467	17,120	15,373	+10.4	128,684	117,337
ondurable goods industries	132,279	129,054	128,576	+2.5	+0.4	+0.4	135,506	124,439	135,206	123,976	+9.3	1,018,644	971,401
With unfilled orders	32,726	32,014	31,772	+2.2	+0.8	+0.3	33,597	30,659	32,322	29,912	+12.3	250,414	233,130

[p] Preliminary. [r] Revised.

[1] Shipments and new orders are the totals for the period and are adjusted for trading-day and calendar-month variations.

(n) When new orders for a prior month are negative because of cancellations, the percentage change calculation is algebraically negative, even though there is a net dollar crease from the prior month to the current month.

Note : Estimates of manufacturers' shipments, inventories and orders are subject to survey variability and revision. Since the survey panel is not a probability sample, imates of sampling variability cannot be calculated. Further details on survey design, methodology, and data limitation are contained in our most recent annual benchmark blication, Current Industrial Reports: M3-1(92), "Manufacturers' Shipments, Inventories, and Orders: 1982-1992."

Table 3. VALUE OF MANUFACTURERS' UNFILLED ORDERS FOR INDUSTRY GROUPS
(Millions of dollars)

Industry	Seasonally adjusted						Not seasonally adjusted				
	Monthly			Percent Change			Monthly				Percent change
	Aug. 1994[p]	July 1994[r]	June 1994	July-Aug.	June-July	May-June	Aug. 1994[p]	July 1994[r]	June 1994	Aug. 1993	Aug. 94/93
All manufacturing industries	447,186	448,587	449,767	-0.3	-0.3	+0.3	447,696	450,852	450,531	455,434	-1.7
Manufacturing industries without defense capital goods	335,841	336,097	335,985	-0.1	0.0	+0.3	337,691	338,575	336,882	333,994	+1.1
Durable goods industries	423,129	424,563	425,784	-0.3	-0.3	+0.3	422,752	426,002	425,973	432,452	-2.2
Stone, clay, and glass products	7,307	7,335	7,295	-0.4	+0.5	-2.4	7,764	7,746	7,382	7,789	-0.3
Primary metals	25,839	25,605	25,390	+0.9	+0.8	+1.5	25,825	26,293	26,044	22,185	+16.4
Blast furnaces, steel mills	11,017	10,901	10,978	+1.1	-0.7	+0.3	11,028	11,091	11,189	10,235	+7.7
Iron and steel foundries	3,502	3,569	3,527	-1.9	+1.2	+2.8	3,477	3,634	3,515	2,873	+21.0
Nonferrous and other primary metals	11,320	11,135	10,885	+1.7	+2.3	+2.2	11,320	11,568	11,340	9,077	+24.7
Fabricated metal products	20,876	20,784	20,636	+0.4	+0.7	+0.4	20,964	20,794	20,550	21,316	-1.7
Industrial machinery and equipment	62,968	61,597	60,366	+2.2	+2.0	+2.9	62,947	61,295	60,070	50,774	+24.0
Engines and turbines	10,628	10,050	9,997	+5.8	+0.5	-0.2	10,754	9,876	9,647	10,089	+6.6
Construction, mining and material handling equipment	6,591	6,615	6,644	-0.4	-0.4	+2.5	6,472	6,508	6,591	5,640	+14.8
Metalworking machinery	9,378	9,192	9,126	+2.0	+0.7	+4.8	9,378	9,192	9,126	7,000	+34.0
Computer and office equipment	9,960	9,699	9,121	+2.7	+6.3	+3.9	10,358	9,956	9,420	7,350	+40.9
Electronic and other electrical equipment	45,399	46,105	46,717	-1.5	-1.3	-1.0	45,268	46,256	46,413	43,940	+3.0
Electrical transmission and distribution equipment and industrial apparatus	5,966	6,024	6,057	-1.0	-0.5	-0.7	5,970	6,039	6,023	5,819	+2.6
Electric lighting and wiring equipment	3,526	3,511	3,450	+0.4	+1.8	+1.4	3,526	3,511	3,450	3,198	+10.3
Communications equipment	14,053	14,415	14,588	-2.5	-1.2	-2.1	13,982	14,405	14,544	13,585	+2.9
Electronic components	16,309	16,507	16,698	-1.2	-1.1	-2.6	16,227	16,669	16,633	16,163	+0.4
Transportation equipment	204,154	206,193	208,565	-1.0	-1.1	-0.3	203,292	206,162	208,834	225,150	-9.7
Aircraft, missiles, space vehicles, and parts	175,589	177,264	180,040	-0.9	-1.5	-0.2	174,706	177,193	180,429	196,175	-10.9
Shipbuilding and tanks	16,178	16,689	16,662	-3.1	+0.2	-3.7	16,199	16,711	16,698	20,594	-21.3
Instruments and related products	48,613	49,048	48,994	-0.9	+0.1	+0.8	48,251	48,927	48,527	53,119	-9.2
Search and navigation equipment	31,923	32,127	32,207	-0.6	-0.2	+2.2	31,537	31,995	31,729	35,295	-10.6
Measuring and controlling devices	9,136	9,230	9,119	-1.0	+1.2	-1.0	9,136	9,230	9,119	9,022	+1.3
Medical instruments and supplies	6,791	6,917	6,877	-1.8	+0.6	-1.9	6,791	6,917	6,877	7,934	-14.4
All other durable goods	7,973	7,896	7,821	+1.0	+1.0	-0.2	8,441	8,529	8,153	8,179	+3.2
Nondurable goods industries	24,057	24,024	23,983	+0.1	+0.2	+0.1	24,944	24,850	24,558	22,982	+8.5

[p] Preliminary. [r] Revised.

See note at end of table 2 relating to survey variability.

Table 4. VALUE OF MANUFACTURERS' INVENTORIES FOR INDUSTRY GROUPS
(Millions of dollars)

Industry	Seasonally adjusted						Not seasonally adjusted				
	Monthly			Percent Change			Monthly				Percent change
	Aug. 1994[p]	July 1994[r]	June 1994	July-Aug.	June-July	May-June	Aug. 1994[p]	July 1994[r]	June 1994	Aug. 1993	Aug. 94/93
All manufacturing industries	387,095	386,645	383,106	+0.1	+0.9	+0.2	390,627	387,563	381,411	383,681	+1.8
lanufacturing industries											
vith unfilled orders	256,862	256,034	253,888	+0.3	+0.8	0.0	260,535	258,051	253,976	254,534	+2.4
vithout defense capital goods	363,080	362,164	358,626	+0.3	+1.0	+0.3	366,127	362,745	356,791	354,978	+3.1
urable goods industries	244,038	243,392	241,039	+0.3	+1.0	+0.2	246,679	244,142	240,275	239,697	+2.9
With unfilled orders	223,328	222,551	220,617	+0.3	+0.9	0.0	226,374	223,970	220,417	220,531	+2.6
one, clay, and glass products	7,435	7,458	7,377	-0.3	+1.1	-1.2	7,392	7,513	7,408	7,575	-2.4
imary metals	19,830	19,892	19,699	-0.3	+1.0	+0.5	20,071	20,002	19,540	19,556	+2.6
Blast furnaces, steel mills	9,575	9,601	9,573	-0.3	+0.3	+0.5	9,642	9,703	9,370	9,511	+1.4
Iron and steel foundries	1,540	1,538	1,507	+0.1	+2.1	+0.9	1,531	1,512	1,524	1,380	+10.9
Nonferrous and other primary metals	8,715	8,753	8,619	-0.4	+1.6	+0.5	8,898	8,787	8,646	8,665	+2.7
abricated metal products	23,681	23,766	23,213	-0.4	+2.4	+0.7	23,761	23,902	23,432	23,304	+2.0
dustrial machinery and equipment	49,295	48,901	48,536	+0.8	+0.8	+0.9	49,959	48,900	47,966	46,033	+8.5
Engines and turbines	3,697	3,633	3,592	+1.8	+1.1	-2.7	3,906	3,697	3,571	3,789	+3.1
Farm and garden machinery	2,546	2,548	2,500	-0.1	+1.9	+6.2	2,403	2,363	2,336	2,111	+13.8
Construction, mining and material handling equipment	5,873	5,833	5,781	+0.7	+0.9	+0.3	5,844	5,796	5,823	5,749	+1.7
Metalworking machinery	5,706	5,638	5,559	+1.2	+1.4	+2.5	5,883	5,713	5,520	5,304	+10.9
Computer and office equipment	11,970	11,928	11,975	+0.4	-0.4	+1.2	12,437	12,108	11,576	10,997	+13.1
ectronic and other electrical equipment	37,731	37,158	36,452	+1.5	+1.9	+1.1	38,419	37,690	36,802	33,637	+14.2
Electrical transmission and distribution equipment and industrial apparatus	4,489	4,463	4,391	+0.6	+1.6	+1.5	4,597	4,531	4,425	4,418	+4.1
Household appliances	2,675	2,583	2,558	+3.6	+1.0	-0.7	2,589	2,550	2,675	2,440	+6.1
Electric lighting and wiring equipment	2,995	2,977	2,949	+0.6	+0.9	+0.5	3,043	3,046	3,033	2,961	+2.8
Household audio and video equipment	1,151	1,133	1,092	+1.6	+3.8	+1.6	1,265	1,234	1,165	1,233	+2.6
Communications equipment	11,216	10,975	10,713	+2.2	+2.4	+1.1	11,421	11,089	10,728	8,795	+29.9
Electronic components	11,824	11,689	11,435	+1.2	+2.2	+1.3	12,001	11,840	11,395	10,310	+16.4
ansportation equipment	60,172	60,541	60,322	-0.6	+0.4	-0.9	60,814	60,296	59,471	64,491	-5.7
Motor vehicles and parts	11,792	12,154	12,059	-3.0	+0.8	+0.2	12,029	11,874	11,513	11,700	+2.8
Aircraft, missiles, space vehicles, and parts	44,328	44,396	44,304	-0.2	+0.2	-0.9	44,735	44,442	44,034	48,418	-7.6
Shipbuilding and tanks	1,412	1,394	1,449	+1.3	-3.8	-8.7	1,440	1,431	1,465	1,784	-19.3
struments and related products	21,983	21,926	21,983	+0.3	-0.3	-0.1	22,318	22,125	22,166	22,825	-2.2
Search and navigation equipment	5,731	5,781	5,810	-0.9	-0.5	+0.9	5,874	5,886	5,851	5,981	-1.8
Measuring and controlling devices	6,486	6,440	6,480	+0.7	-0.6	-0.2	6,557	6,471	6,525	6,659	-1.5
Medical instruments and supplies	6,263	6,215	6,229	+0.8	-0.2	-0.1	6,319	6,234	6,269	6,337	-0.3
Photographic goods	2,670	2,665	2,656	+0.2	+0.3	-2.1	2,731	2,696	2,692	3,047	-10.4
l other durable goods	23,911	23,750	23,457	+0.7	+1.2	+0.5	23,945	23,714	23,490	22,276	+7.5
ondurable goods industries	143,057	143,253	142,067	-0.1	+0.8	+0.2	143,948	143,421	141,136	143,984	0.0
With unfilled orders	33,534	33,483	33,271	+0.2	+0.6	-0.2	34,161	34,081	33,559	34,003	+0.5
od and kindred products	30,775	30,837	30,571	-0.2	+0.9	0.0	31,018	30,069	29,118	30,061	+3.2
Meat products	3,488	3,551	3,483	-1.8	+2.0	+1.6	3,457	3,586	3,493	3,158	+9.5
Dairy products	2,668	2,656	2,672	+0.5	-0.6	-1.6	2,780	2,775	2,788	2,872	-3.2
Beverages	5,323	5,314	5,303	+0.2	+0.2	+0.1	5,233	5,245	5,283	5,228	+0.1
All other foods, except fats and oils	17,621	17,526	17,284	+0.5	+1.4	+0.6	18,079	16,767	15,807	17,403	+3.9
bacco products	5,708	5,861	5,963	-2.6	-1.7	-0.9	5,520	5,555	5,654	6,487	-14.9
xtile mill products	9,660	9,679	9,666	-0.2	+0.1	-0.2	9,731	9,867	9,764	9,303	+4.6
Broadwoven fabrics and other textiles	5,424	5,422	5,414	0.0	+0.1	-0.3	5,413	5,482	5,415	5,208	+3.9
per and allied products	13,582	13,538	13,483	+0.3	+0.4	0.0	13,535	13,523	13,517	13,603	-0.5
Pulp, paper, and paperboard mill products	5,628	5,664	5,707	-0.6	-0.8	-1.3	5,583	5,618	5,691	5,731	-2.6
Paperboard containers and boxes	3,292	3,236	3,206	+1.7	+0.9	+0.8	3,285	3,259	3,215	3,176	+3.4
Miscellaneous converted paper products	4,662	4,638	4,570	+0.5	+1.5	+1.1	4,667	4,646	4,611	4,696	-0.6
emicals and allied products	34,075	34,263	33,992	-0.5	+0.8	-0.3	33,962	34,177	33,735	34,833	-2.5
Industrial chemicals	16,031	16,119	16,019	-0.5	+0.6	-0.6	15,983	16,127	15,912	17,127	-6.7
Drugs, soaps, and toiletries	13,676	13,768	13,596	-0.7	+1.3	+0.3	13,867	13,930	13,708	13,664	+1.5
troleum and coal products	10,637	10,654	10,442	-0.2	+2.0	+1.4	10,865	10,900	10,557	11,108	-2.2
bber and plastics products	12,699	12,644	12,467	+0.4	+1.4	+1.0	12,527	12,559	12,370	12,007	+4.3
l other nondurable goods	25,921	25,777	25,483	+0.6	+1.2	+0.5	26,790	26,771	26,421	26,582	+0.8

[p] Preliminary. [r] Revised.

See note at end of table 2 relating to survey variability.

Table 5. VALUE OF MANUFACTURERS' SHIPMENTS AND NEW ORDERS FOR TOPICAL SERIES[1]
(Millions of dollars)

Industry	Seasonally adjusted						Not seasonally adjusted [2]						
	Monthly			Percent Change			Monthly				Percent change	Year to date	
	Aug. 1994[p]	July 1994[r]	June 1994	July-Aug.	June-July	May-June	Aug. 1994[p]	July 1994[r]	June 1994	Aug. 1993	Aug. 94/93	1994[p]	1993
SHIPMENTS													
All manufacturing industries	287,860	275,485	278,566	+4.5	-1.1	+0.8	287,865	250,532	300,347	256,056	+12.4	2,188,343	2,023,338
Market categories :													
Automotive equipment	14,796	12,098	13,715	+22.3	-11.8	+1.4	14,259	8,565	15,033	10,883	+31.0	109,415	92,587
Home goods and apparel	19,231	18,867	18,841	+1.9	+0.1	-1.7	20,634	17,754	19,604	19,138	+7.8	147,014	136,217
Consumer staples	60,024	58,757	58,436	+2.2	+0.5	+1.4	60,853	56,445	61,363	56,990	+6.8	460,102	448,066
Machinery and equipment	51,046	47,275	49,431	+8.0	-4.4	+2.3	48,145	40,037	56,214	41,602	+15.7	381,468	338,525
Business supplies	21,546	21,223	21,038	+1.5	+0.9	+1.0	21,532	20,070	21,752	19,252	+11.8	164,222	154,098
Construction materials and supplies	18,413	17,956	17,663	+2.5	+1.7	-0.1	19,350	17,179	19,366	17,240	+12.2	141,623	129,927
Defense products	7,534	7,315	7,262	+3.0	+0.7	-0.2	7,332	6,696	7,745	7,131	+2.8	56,855	59,32
Other materials, supplies and and intermediate products	95,270	91,994	92,180	+3.6	-0.2	+0.5	95,760	83,786	99,270	83,820	+14.2	727,644	664,60
Durable goods industries :													
Nondefense capital goods [3]	37,939	36,686	37,315	+3.4	-1.7	+3.0	35,530	31,994	43,342	31,707	+12.1	284,446	255,39
Excluding aircraft and parts	33,179	32,076	32,603	+3.4	-1.6	+2.3	31,183	28,018	37,643	26,172	+19.1	247,157	212,11
Defense capital goods [4]	7,117	6,838	6,860	+4.1	-0.3	+0.6	6,854	6,164	7,370	6,752	+1.5	53,295	57,14
Durables excluding capital goods	110,558	102,948	105,835	+7.4	-2.7	+0.3	110,069	88,227	114,389	93,475	+17.8	836,171	740,32
Miscellaneous series :													
Producers' durable equipment	100,518	92,690	96,602	+8.4	-4.0	+1.1	96,259	76,481	107,699	82,253	+17.0	754,512	666,79
Household durable goods	8,246	8,021	8,108	+2.8	-1.1	+0.1	8,455	6,993	8,371	7,647	+10.6	61,775	56,77
Information technology industries	17,902	17,364	17,782	+3.1	-2.4	+2.0	16,706	14,587	21,348	14,641	+14.1	132,941	114,07
Health care equipment and products	8,718	8,480	8,512	+2.8	-0.4	+0.1	8,609	7,837	9,129	8,079	+6.6	66,624	64,06
NEW ORDERS													
All manufacturing industries	286,459	274,305	279,788	+4.4	-2.0	+0.8	284,709	250,853	298,809	252,422	+12.8	2,197,681	2,006,58
Market categories :													
Automotive equipment	14,802	12,098	13,790	+22.4	-12.3	+1.8	14,262	8,619	15,052	10,888	+31.0	109,591	92,76
Home goods and apparel	18,993	18,916	18,773	+0.4	+0.8	-3.3	20,364	18,218	19,451	19,090	+6.7	149,593	138,80
Consumer staples	60,092	58,775	58,426	+2.2	+0.6	+1.2	60,948	56,492	61,416	56,993	+6.9	460,239	448,07
Machinery and equipment	50,630	47,027	50,308	+7.7	-6.5	+6.2	47,611	39,791	56,493	40,183	+18.5	382,031	326,68
Business supplies	21,521	21,228	20,980	+1.4	+1.2	+0.3	21,560	20,096	21,629	19,354	+11.4	164,616	153,97
Construction materials and supplies	18,405	18,064	17,852	+1.9	+1.2	+0.3	19,318	17,425	19,487	17,266	+11.9	143,143	130,50
Defense products	6,191	6,109	7,581	+1.3	-19.4	-1.7	4,879	5,392	7,843	6,269	-22.2	50,004	51,11
Other materials, supplies and and intermediate products	95,825	92,088	92,078	+4.1	0.0	-1.0	95,767	84,820	97,438	82,379	+16.3	738,464	664,66
Durable goods industries :													
Nondefense capital goods [3]	37,629	36,310	38,055	+3.6	-4.6	+7.2	35,461	31,669	43,450	30,274	+17.1	286,049	241,36
Excluding aircraft and parts	34,190	33,462	34,502	+2.2	-3.0	+7.5	32,435	29,455	38,910	26,858	+20.8	257,431	213,91
Defense capital goods [4]	5,972	5,546	7,050	+7.7	-21.3	-1.8	4,582	4,792	7,280	5,762	-20.5	46,162	48,80
Durables excluding capital goods	110,579	103,395	106,106	+6.9	-2.6	-0.6	109,160	89,953	112,873	92,410	+18.1	846,826	745,01
Miscellaneous series :													
Producers' durable equipment	100,318	93,068	98,703	+7.8	-5.7	+3.4	96,215	77,669	108,579	81,802	+17.6	761,720	659,82
Household durable goods	8,216	8,043	8,146	+2.2	-1.3	-4.2	8,458	7,293	8,236	7,769	+8.9	63,267	58,32
Information technology industries	17,807	18,080	18,422	-1.5	-1.9	+7.0	16,740	15,276	21,768	14,431	+16.0	135,803	114,48
Health care equipment and products	8,593	8,521	8,377	+0.8	+1.7	-0.5	8,483	7,878	8,994	7,924	+7.1	65,960	63,57

[p] Preliminary. [r] Revised.

[1] Topical series are regroupings of the separate industry categories.

[2] Shipments and new orders are the totals for the period and are adjusted for trading-day and calendar-month variations.

[3] Nondefense capital goods industries include : ordnance and accessories; steam, gas and hydraulic turbines; internal combustion engines; construction, mining, and m handling equipment; metalworking machinery; special industry machinery; general industrial machinery; computer and office equipment; refrigeration, heating and ac industry machinery; electrical transmission and distribution equipment; electrical industrial apparatus; communications equipment; aircraft, missiles, space vehicles, and e and parts; ships and tank components; railroad equipment; and search and navigation equipment.

[4] Defense capital goods industries include : ordnance and accessories; communications equipment; aircraft, missiles, space vehicles, and engines and parts; ships and tank components; and search and navigation equipment.

See note at end of table 2 relating to survey variability.

Table 6. VALUE OF MANUFACTURERS' UNFILLED ORDERS AND TOTAL INVENTORIES FOR TOPICAL SERIES[1]
(Millions of dollars)

Industry	Seasonally adjusted						Not seasonally adjusted				
	Monthly			Percent Change			Monthly				Percent change
	Aug. 1994[p]	July 1994[r]	June 1994	July-Aug.	June-July	May-June	Aug. 1994[p]	July 1994[r]	June 1994	Aug. 1993	Aug. 94/93
UNFILLED ORDERS											
All manufacturing industries	447,186	448,587	449,767	-0.3	-0.3	+0.3	447,696	450,852	450,531	455,434	-1.7
Market categories :											
Automotive equipment	2,074	2,068	2,068	+0.3	0.0	+3.8	2,078	2,075	2,021	1,764	+17.8
Home goods and apparel	10,449	10,687	10,638	-2.2	+0.5	-0.6	11,242	11,512	11,048	11,182	+0.5
Consumer staples	1,573	1,506	1,488	+4.4	+1.2	-0.7	1,613	1,519	1,472	1,446	+11.5
Machinery and equipment	180,883	181,300	181,547	-0.2	-0.1	+0.5	180,788	181,321	181,567	185,668	-2.6
Business supplies	5,661	5,685	5,681	-0.4	+0.1	-1.0	5,761	5,734	5,707	5,568	+3.5
Construction materials and supplies	15,111	15,119	15,011	-0.1	+0.7	+1.3	15,394	15,427	15,181	14,907	+3.3
Defense products	105,480	106,822	108,028	-1.3	-1.1	+0.3	104,059	106,512	107,815	115,125	-9.6
Other materials, supplies and and intermediate products	125,955	125,400	125,306	+0.4	+0.1	-0.1	126,761	126,752	125,720	119,774	+5.8
Durable goods industries :											
Nondefense capital goods [3]	198,984	199,294	199,670	-0.2	-0.2	+0.4	198,940	199,009	199,334	203,156	-2.1
Excluding aircraft and parts	85,976	84,965	83,579	+1.2	+1.7	+2.3	85,932	84,680	83,243	72,064	+19.2
Defense capital goods [4]	111,345	112,490	113,782	-1.0	-1.1	+0.2	110,005	112,277	113,649	121,440	-9.4
Durables excluding capital goods	112,800	112,779	112,332	0.0	+0.4	+0.2	113,807	114,716	112,990	107,856	+5.5
Miscellaneous series :											
Producers' durable equipment	212,737	212,937	212,559	-0.1	+0.2	+1.0	213,351	213,395	212,207	211,399	+0.9
Household durable goods	5,890	5,920	5,898	-0.5	+0.4	+0.6	6,327	6,324	6,024	5,982	+5.8
Information technology industries	34,537	34,632	33,916	-0.3	+2.1	+1.9	34,948	34,914	34,225	31,523	+10.9
Health care equipment and products	6,822	6,948	6,907	-1.8	+0.6	-1.9	6,823	6,949	6,907	7,964	-14.3
TOTAL INVENTORIES											
All manufacturing industries	387,095	386,645	383,106	+0.1	+0.9	+0.2	390,627	387,563	381,411	383,681	+1.8
Market categories :											
Automotive equipment	6,148	6,246	6,119	-1.6	+2.1	+0.4	6,179	6,065	5,897	6,180	0.0
Home goods and apparel	31,628	31,255	30,928	+1.2	+1.1	+0.6	32,230	32,162	32,113	31,059	+3.8
Consumer staples	58,415	58,643	58,137	-0.4	+0.9	+0.2	58,977	58,066	56,798	59,148	-0.3
Machinery and equipment	93,796	92,948	91,950	+0.9	+1.1	+0.4	94,797	92,835	91,183	88,641	+6.9
Business supplies	21,209	21,313	20,918	-0.5	+1.9	-0.6	21,620	21,553	20,898	21,828	-1.0
Construction materials and supplies	24,776	24,759	24,510	+0.1	+1.0	+0.7	24,760	24,887	24,715	23,605	+4.9
Defense products	23,157	23,567	23,607	-1.7	-0.2	-1.4	23,581	23,881	23,706	27,059	-12.9
Other materials, supplies and and intermediate products	127,966	127,914	126,937	0.0	+0.8	+0.2	128,483	128,114	126,101	126,161	+1.8
Durable goods industries :											
Nondefense capital goods [3]	88,572	87,608	86,907	+1.1	+0.8	+0.4	89,793	87,884	86,267	83,521	+7.5
Excluding aircraft and parts	61,634	61,018	60,338	+1.0	+1.1	+0.8	62,798	61,477	60,087	56,825	+10.5
Defense capital goods [4]	24,015	24,481	24,480	-1.9	0.0	-1.9	24,500	24,818	24,620	28,703	-14.6
Durables excluding capital goods	131,451	131,303	129,652	+0.1	+1.3	+0.5	132,386	131,440	129,388	127,473	+3.9
Miscellaneous series :											
Producers' durable equipment	150,128	149,313	147,461	+0.5	+1.3	+0.4	151,872	149,386	146,779	143,507	+5.8
Household durable goods	13,963	13,729	13,559	+1.7	+1.3	+0.4	14,276	14,004	13,886	13,786	+3.6
Information technology industries	33,050	32,722	32,560	+1.0	+0.5	+0.8	33,872	33,090	32,256	30,558	+10.8
Health care equipment and products	13,694	13,694	13,615	0.0	+0.6	+0.1	13,850	13,800	13,713	13,750	+0.7

See footnotes at end of table 5.

See note at end of table 2 relating to survey variability.

Table 7. VALUE OF MANUFACTURERS' INVENTORIES, BY STAGE OF FABRICATION, BY INDUSTRY GROUP
(Millions of dollars)

Industry	Seasonally adjusted						Not seasonally adjusted				
	Monthly			Percent Change			Monthly				Percent change
	Aug. 1994[p]	July 1994[r]	June 1994	July-Aug.	June-July	May-June	Aug. 1994[p]	July 1994[r]	June 1994	Aug. 1993	Aug. 94/93
MATERIALS AND SUPPLIES											
All manufacturing industries	124,102	123,776	122,764	+0.3	+0.8	+0.5	124,936	123,788	121,883	121,623	+2.7
Durable goods industries	72,050	71,732	70,763	+0.4	+1.4	+0.8	73,056	71,774	70,139	69,389	+5.3
Stone, clay, and glass products	2,544	2,542	2,524	+0.1	+0.7	-2.2	2,562	2,553	2,525	2,528	+1.3
Primary metals	6,043	6,030	6,021	+0.2	+0.1	-0.2	6,143	6,079	5,965	6,209	-1.1
Fabricated metal products	7,979	8,061	7,932	-1.0	+1.6	+1.0	8,039	8,088	7,939	7,811	+2.9
Industrial machinery and equipment	16,317	15,911	15,532	+2.6	+2.4	+1.8	16,622	15,903	15,414	14,452	+15.0
Electronic and other electrical equipment	12,222	12,063	11,806	+1.3	+2.2	+1.7	12,404	12,204	11,771	10,683	+16.1
Transportation equipment	10,763	11,026	10,965	-2.4	+0.6	+0.2	10,967	10,921	10,788	11,982	-8.5
Instruments and related products	6,732	6,698	6,680	+0.5	+0.3	-0.6	6,805	6,717	6,722	6,839	-0.5
Lumber, furniture and miscellaneous durable goods	9,450	9,401	9,303	+0.5	+1.1	+0.7	9,514	9,309	9,015	8,885	+7.1
Nondurable goods industries	52,052	52,044	52,001	0.0	+0.1	+0.1	51,880	52,014	51,744	52,234	-0.7
Food and kindred products	9,968	9,918	10,045	+0.5	-1.3	+1.3	9,707	9,701	9,875	9,808	-1.0
Tobacco products	4,898	4,985	5,068	-1.7	-1.6	-0.9	4,705	4,712	4,829	5,102	-7.8
Textile mill products	2,796	2,778	2,757	+0.6	+0.8	-1.0	2,819	2,867	2,795	2,631	+7.1
Paper and allied products	6,756	6,685	6,631	+1.1	+0.8	-0.4	6,739	6,659	6,601	6,720	+0.3
Chemicals and allied products	11,230	11,274	11,173	-0.4	+0.9	-0.9	11,281	11,351	11,192	11,464	-1.6
Petroleum and coal products	3,031	3,054	3,089	-0.8	-1.1	+2.1	3,102	3,124	3,151	3,149	-1.5
Rubber and plastics products	4,705	4,671	4,588	+0.7	+1.8	+0.9	4,650	4,683	4,517	4,343	+7.1
Apparel, printing and publishing and leather goods	8,668	8,679	8,650	-0.1	+0.3	+0.2	8,877	8,917	8,784	9,017	-1.6
WORK IN PROCESS											
All manufacturing industries	130,255	130,419	129,760	-0.1	+0.5	+0.7	131,760	130,863	128,762	130,947	+0.6
Durable goods industries	106,401	106,531	106,108	-0.1	+0.4	+0.6	107,816	106,930	105,479	107,568	+0.2
Stone, clay, and glass products	1,035	1,045	1,043	-1.0	+0.2	-0.9	1,046	1,065	1,057	1,126	-7.1
Primary metals	7,512	7,552	7,389	-0.5	+2.2	+1.7	7,643	7,612	7,320	7,211	+6.0
Fabricated metal products	7,656	7,706	7,478	-0.6	+3.0	+0.1	7,736	7,732	7,432	7,727	+0.1
Industrial machinery and equipment	19,030	19,023	19,403	0.0	-2.0	+4.2	19,310	18,995	19,081	18,560	+4.0
Electronic and other electrical equipment	15,373	15,308	15,082	+0.4	+1.5	+1.1	15,678	15,487	15,113	14,221	+10.2
Transportation equipment	41,516	41,589	41,441	-0.2	+0.4	-1.1	41,804	41,524	41,060	44,094	-5.2
Instruments and related products	9,196	9,269	9,329	-0.8	-0.6	+0.2	9,441	9,433	9,415	9,932	-4.9
Lumber, furniture and miscellaneous durable goods	5,083	5,039	4,943	+0.9	+1.9	-0.2	5,158	5,082	5,001	4,697	+9.8
Nondurable goods industries	23,854	23,888	23,652	-0.1	+1.0	+1.1	23,944	23,933	23,283	23,379	+2.4
Food and kindred products	4,063	4,126	4,116	-1.5	+0.2	+2.0	3,745	3,875	3,832	3,512	+6.6
Tobacco products	178	173	171	+2.9	+1.2	+2.4	144	127	126	144	0.0
Textile mill products	2,567	2,607	2,571	-1.5	+1.4	0.0	2,575	2,641	2,558	2,495	+3.2
Paper and allied products	1,194	1,196	1,201	-0.2	-0.4	-1.1	1,218	1,224	1,228	1,247	-2.3
Chemicals and allied products	5,499	5,519	5,504	-0.4	+0.3	+0.4	5,551	5,551	5,458	5,828	-4.8
Petroleum and coal products	2,320	2,322	2,271	-0.1	+2.2	+0.7	2,395	2,389	2,303	2,645	-9.5
Rubber and plastics products	1,850	1,854	1,829	-0.2	+1.4	+2.2	1,847	1,822	1,770	1,724	+7.1
Apparel, printing and publishing and leather goods	6,183	6,091	5,989	+1.5	+1.7	+1.6	6,469	6,304	6,008	5,784	+11.8
FINISHED GOODS											
All manufacturing industries	132,738	132,450	130,582	+0.2	+1.4	-0.5	133,931	132,912	130,766	131,111	+2.2
Durable goods industries	65,587	65,129	64,168	+0.7	+1.5	-1.0	65,807	65,438	64,657	62,740	+4.9
Stone, clay, and glass products	3,856	3,871	3,810	-0.4	+1.6	-0.7	3,784	3,895	3,826	3,921	-3.5
Primary metals	6,275	6,310	6,289	-0.6	+0.3	-0.1	6,285	6,311	6,255	6,136	+2.4
Fabricated metal products	8,046	7,999	7,803	+0.6	+2.5	+0.8	7,986	8,082	8,061	7,766	+2.8
Industrial machinery and equipment	13,948	13,967	13,601	-0.1	+2.7	-4.5	14,027	14,002	13,471	13,021	+7.7
Electronic and other electrical equipment	10,136	9,787	9,564	+3.6	+2.3	+0.2	10,337	9,999	9,918	8,733	+18.4
Transportation equipment	7,893	7,926	7,916	-0.4	+0.1	-1.0	8,043	7,851	7,623	8,415	-4.4
Instruments and related products	6,055	5,959	5,974	+1.6	-0.3	0.0	6,072	5,975	6,029	6,054	+0.3
Lumber, furniture and miscellaneous durable goods	9,378	9,310	9,211	+0.7	+1.1	+0.5	9,273	9,323	9,474	8,694	+6.7
Nondurable goods industries	67,151	67,321	66,414	-0.3	+1.4	-0.1	68,124	67,474	66,109	68,371	-0.4
Food and kindred products	16,744	16,793	16,410	-0.3	+2.3	-1.2	17,566	16,493	15,411	16,741	+4.9
Tobacco products	632	703	724	-10.1	-2.9	-1.6	671	716	699	1,241	-45.9
Textile mill products	4,297	4,294	4,338	+0.1	-1.0	+0.3	4,337	4,359	4,411	4,177	+3.8
Paper and allied products	5,632	5,657	5,651	-0.4	+0.1	+0.7	5,578	5,640	5,688	5,636	-1.0
Chemicals and allied products	17,346	17,470	17,315	-0.7	+0.9	-0.1	17,130	17,275	17,085	17,541	-2.3
Petroleum and coal products	5,286	5,278	5,082	+0.2	+3.9	+1.3	5,368	5,387	5,103	5,314	+1.0
Rubber and plastics products	6,144	6,119	6,050	+0.4	+1.1	+0.6	6,030	6,054	6,083	5,940	+1.5
Apparel, printing and publishing and leather goods	11,070	11,007	10,844	+0.6	+1.5	+0.1	11,444	11,550	11,629	11,781	-2.9

[p] Preliminary. [r] Revised.

See note at end of table 2 relating to survey variability.

Table 8. RATIOS OF MANUFACTURES' INVENTORIES TO SHIPMENTS AND UNFILLED ORDERS TO SHIPMENTS, BY INDUSTRY GROUP
(Based on seasonally adjusted data)

Industry	Inventory / Shipments ratio				Unfilled Orders / Shipments ratio[1]			
	Aug. 1994[p]	July 1994[r]	June 1994	May 1994	Aug. 1994[p]	July 1994[r]	June 1994	May 1994
All manufacturing industries	1.34	1.40	1.38	1.38	2.89	2.99	2.98	3.01
Durable goods industries	1.57	1.66	1.61	1.62	3.47	3.60	3.58	3.60
Stone, clay, and glass products	1.09	1.11	1.11	1.13	1.14	1.16	1.17	1.22
Primary metals	1.49	1.55	1.55	1.55	1.94	2.00	1.99	1.98
Fabricated metal products	1.50	1.57	1.55	1.53	1.44	1.49	1.49	1.47
Industrial machinery and equipment	1.73	1.79	1.79	1.79	2.38	2.42	2.37	2.33
Electronic and other electrical equipment	1.63	1.63	1.61	1.61	1.96	2.02	2.06	2.11
Transportation equipment	1.48	1.75	1.56	1.62	10.64	11.53	10.92	11.31
Instruments and related products	1.96	2.02	1.98	1.99	4.34	4.51	4.41	4.40
Nondurable goods industries	1.08	1.11	1.11	1.11	0.74	0.75	0.76	0.76
Food and kindred products	0.86	0.88	0.86	0.88	(X)	(X)	(X)	(X)
Tobacco products	2.02	2.11	2.45	2.38	(X)	(X)	(X)	(X)
Textile mill products	1.55	1.56	1.55	1.56	(NA)	(NA)	(NA)	(NA)
Paper and allied products	1.16	1.19	1.20	1.21	(NA)	(NA)	(NA)	(NA)
Chemicals and allied products	1.18	1.22	1.21	1.22	(X)	(X)	(X)	(X)
Petroleum and coal products	0.83	0.86	0.86	0.87	(X)	(X)	(X)	(X)
Rubber and plastics products	1.31	1.36	1.33	1.31	(X)	(X)	(X)	(X)

[p] Preliminary. [r] Revised. (X) Not applicable. (NA) Not available.

[1] Excludes the following industries with no unfilled orders : Wood and lumber products; glass containers; metal cans, barrels and drums; farm and garden machinery; motor vehicle assembly operations; other transportation equipment; foods and related products; tobacco; knitting mill products; apparel and related products; chemicals; petroleum and coal products; and rubber and plastics products.

Table 9. REVISIONS TO PREVIOUSLY PUBLISHED MONTHLY PERCENT CHANGES
(Based on seasonally adjusted data)

Industry	Shipments			New orders			Unfilled orders			Inventories		
	Aug.[1] 1994	Aug.[2] 1989-1993	Aug. 1993-July 1994	Aug.[1] 1994	Aug.[2] 1989-1993	Aug. 1993-July 1994	Aug.[1] 1994	Aug.[2] 1989-1993	Aug. 1993-July 1994	Aug.[1] 1994	Aug.[2] 1989-1993	Aug. 1993-July 1994
All manufacturing industries	(X)	0.2	0.2	(X)	0.2	0.2	(X)	0.1	0.1	(X)	0.0	0.0
Durable goods industries	0.1	0.3	0.3	0.1	0.3	0.3	0.0	0.1	0.1	(X)	0.0	0.1
Stone, clay, and glass products	(X)	0.4	0.7	(X)	0.9	1.5	(X)	0.5	0.9	(X)	0.1	0.2
Primary metals	0.0	0.3	0.4	-0.8	0.6	0.8	-0.4	0.3	0.4	(X)	0.1	0.1
Fabricated metal products	(X)	0.2	0.4	(X)	0.5	0.5	(X)	0.3	0.3	(X)	0.1	0.3
Industrial machinery and equipment	0.4	0.4	0.5	0.6	0.6	0.7	0.0	0.1	0.2	(X)	0.1	0.1
Electronic and other electrical equipment	0.0	0.2	0.3	0.0	0.6	0.6	0.0	0.2	0.3	(X)	0.1	0.2
Transportation equipment	0.1	1.0	0.5	0.2	0.8	0.7	0.0	0.2	0.1	(X)	0.0	0.2
Instruments and related products	(X)	0.4	0.5	(X)	0.8	2.1	(X)	0.2	0.4	(X)	0.1	0.3
Nondurable goods industries	(X)	0.1	0.2	(X)	0.1	0.2	(X)	0.3	0.4	(X)	0.0	0.1
Food and kindred products	(X)	0.1	0.3	(X)	(X)	(X)	(X)	(X)	(X)	(X)	0.2	0.1
Tobacco products	(X)	0.2	0.2	(X)	(X)	(X)	(X)	(X)	(X)	(X)	0.1	0.0
Textile mill products	(X)	0.3	0.4	(X)	(NA)	(NA)	(X)	(NA)	(NA)	(X)	0.2	0.2
Paper and allied products	(X)	0.1	0.2	(X)	(NA)	(NA)	(X)	(NA)	(NA)	(X)	0.0	0.1
Chemicals and allied products	(X)	0.2	0.2	(X)	(X)	(X)	(X)	(X)	(X)	(X)	0.1	0.2
Petroleum and coal products	(X)	0.3	0.5	(X)	(X)	(X)	(X)	(X)	(X)	(X)	0.4	0.4
Rubber and plastics products	(X)	0.3	0.2	(X)	(X)	(X)	(X)	(X)	(X)	(X)	0.1	0.1
Capital goods industries :												
Nondefense	0.4	0.7	0.5	0.6	0.6	0.5	0.0	0.2	0.1	(X)	0.0	0.1
Defense	-0.1	0.7	0.4	-0.2	2.9	6.1	0.0	0.2	0.3	(X)	0.1	0.2

(X) Not applicable. (NA) Not available.

Note : The five year and the twelve month revisions are the differences between the month-to-month percent changes of the preliminary and final estimates. The monthly averages are the simple averages of the absolute values of the differences for the months specified. The advance to final percent change revisions for the durable goods industries are shown in the advance report for the month.

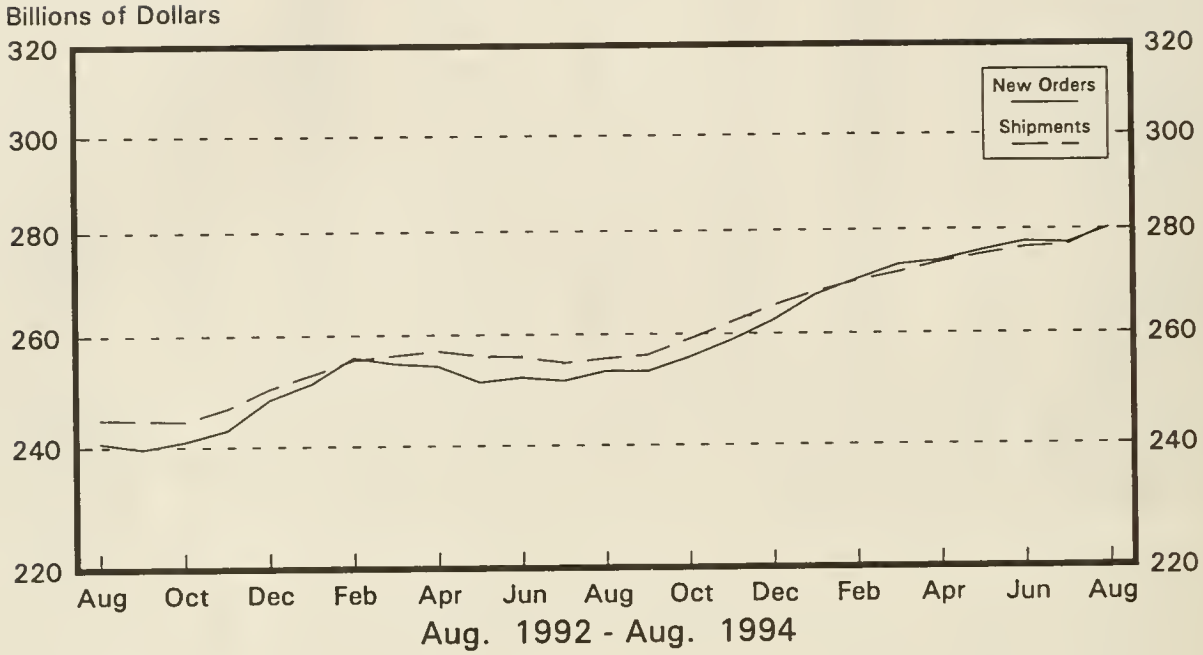
[1] The current month revisions are the difference between the advance percent change and the percent change as shown in this publication.

[2] Average for this month for the last five years.

See note at end of table 2 relating to survey variability.

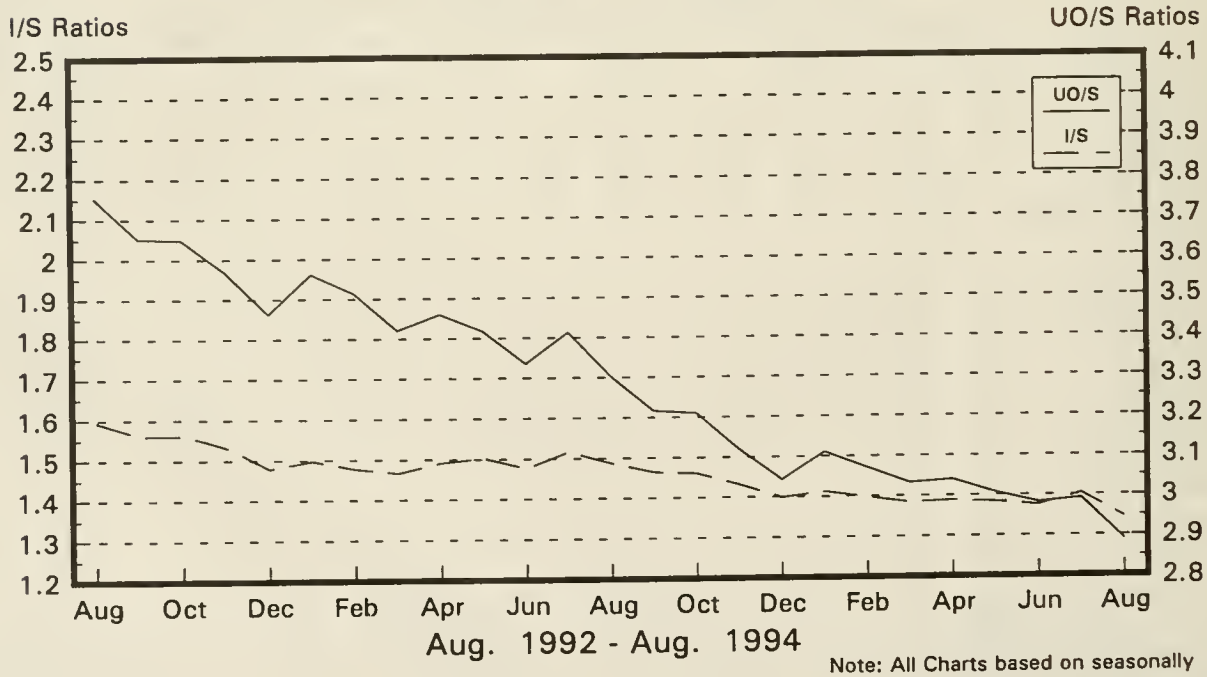
Total Manufacturing

New Orders and Shipments
Three Month Moving Averages



Total Manufacturing

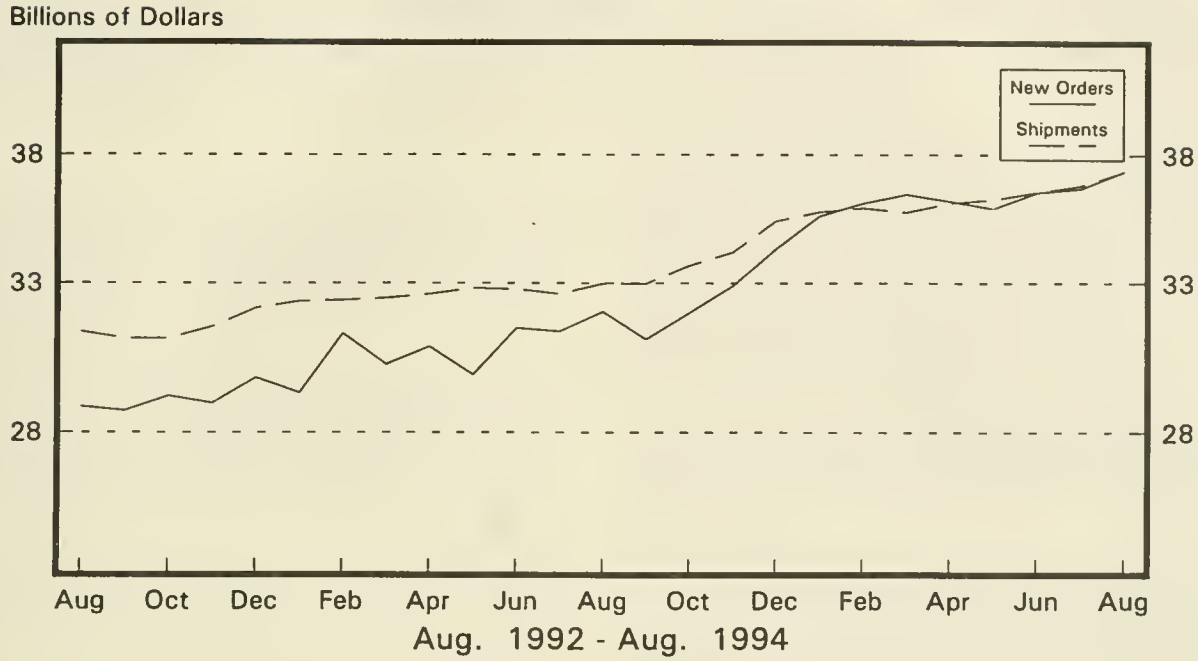
Ratio of Unfilled Orders and
Inventories to Shipments



Note: All Charts based on seasonally adjusted current dollars.

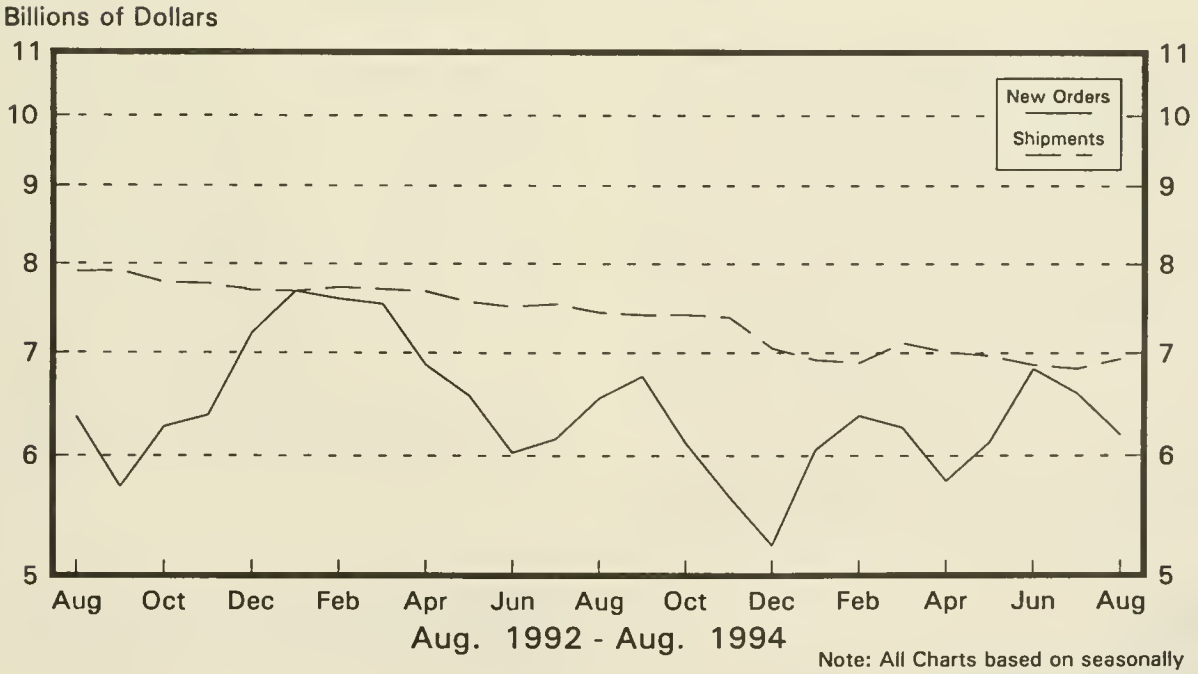
Nondefense Capital Goods

New Orders and Shipments
Three Month Moving Averages



Defense Capital Goods

New Orders and Shipments
Three Month Moving Averages



Note: All Charts based on seasonally adjusted current dollars.

U.S. Department of Commerce
BUREAU OF THE CENSUS
Washington, D.C. 20233

Official Business

Penalty for Private Use, $300

U.S.MAIL

POSTAGE AND FEES P
U S DEPARTMENT OF COMME

COM-2

First Class Mail

3. 158: M 3-1-(94)-10
rent Industrial Reports, Manufac...
FEB 21 1995

Manufacturers' Shipments, Inventories, and Orders

U. S. Department of Commerce
Economics and Statistics Administration
BUREAU OF THE CENSUS

October 1994
M3-1-(94)-10
For Wire Transmissions 10:00 a.m. E.S.T. December 2, 1994

Kathy Menth or Gloria Cable
(301)763-2502 or (301)763-2575

Note: All figures in text are in seasonally adjusted current dollars

Summary

New orders for manufactured goods in October decreased $1.2 billion or 0.4 percent to $286.0 billion, the Department of Commerce, Bureau of the Census reported today. This follows a slight increase in September and is the first decrease since July. Excluding transportation equipment, new orders in October increased 0.9 percent. Year to date, new orders are 9.8 percent above the same period a year ago.

Shipments decreased $1.9 billion or 0.7 percent to $284.2 billion, following a 0.7 percent decrease in September. This is the third decrease in the last four months and the fifth this year. Excluding transportation equipment, shipments increased 0.1 percent. Year-to-date shipments are 8.3 percent above the same period a year ago.

Unfilled orders increased $1.8 billion or 0.4 percent to $450.6 billion, following a 0.2 percent increase in September. The unfilled orders-to-shipments ratio increased to 2.93 from 2.90 in September.

Inventories increased $1.5 billion or 0.4 percent to $388.0 billion, following a 0.1 percent decrease in September. This is the sixth increase in the last seven months. The inventories-to-shipments ratio increased to 1.37 from 1.35 in September.

New Orders

New orders for manufactured durable goods in October decreased $1.5 billion or 1.0 percent to $153.9 billion, following a 0.5 percent increase in September. The October percent change is revised from the previously published 1.5 percent decrease. This is the first decline since July and the third this year.

Transportation equipment had the largest decrease, $3.4 billion or 8.8 percent to $35.5 billion, with declines in nearly all industries. This follows increases in September of 0.2 percent and August of 20.1 percent. Instruments and related products, following three consecutive declines, had the largest increase, $1.0 billion or 9.5 percent to $11.5 billion; all industries increased. Industrial machinery and equipment increased $0.4 billion or 1.5 percent to $30.3 billion, following a 0.1 percent decrease in September. Electronic and other electrical equipment increased $0.1 billion or 0.5 percent to $23.5 billion, the third consecutive increase and the seventh this year; a large decline in communication equipment was more than offset by increases in the other industries.

New orders for nondurable goods were $132.1 billion, up $0.3 billion or 0.2 percent from September. Except for a 0.6 percent decline in September, new orders have increased each month since October 1993. Increases in orders for tobacco, textile mill products, and paper and allied products were only partially offset by declines in printing and publishing, and petroleum and coal products.

Shipments

Shipments of durable goods in October decreased $1.7 billion or 1.1 percent to $152.7 billion, revised from the previously published 1.2 percent decline. This follows a 0.8 percent decline in September and is the fifth this year. Transportation equipment had the largest decrease, $2.1 billion or 5.4 percent to $37.4 billion. This follows a 2.8 percent decrease in September and is the sixth this year. Instruments and related products declined $0.1 billion or 1.2 percent to $11.0 billion, following a 0.9 percent decline in September. The largest increase was in industrial machinery and equipment, $0.3 billion or 1.0 percent to $28.7 billion, the sixth consecutive increase. Electronic and other electrical equipment increased $0.1 billion or 0.6 percent to $23.5 billion, the twelfth consecutive increase.

Shipments of nondurable goods decreased $0.2 billion or 0.2 percent to $131.6 billion. This follows a 0.5 percent September decline and ten consecutive increases. The largest declines were in printing and publishing and petroleum and coal products; the largest increases were in tobacco products, and paper and allied products.

Unfilled Orders

Unfilled orders for durable goods in October increased $1.3 billion or 0.3 percent to $426.0 billion, revised from the previously published 0.1 percent increase. This follows an increase in September of 0.3 percent and is the sixth increase this year. Industrial machinery and equipment, up for the sixteenth consecutive month, increased $1.5 billion or 2.4 percent to $66.0 billion. Primary metals increased $1.1 billion or 3.9 percent to $28.0 billion, the eleventh consecutive monthly increase. Instruments and related products were up $0.5 billion or 1.1 percent to $48.5 billion, following a 1.3 percent decline in September. Transportation equipment, down twenty-nine of the last thirty months, had the largest decrease, $1.9 billion or 0.9 percent to $201.9 billion, due to aircraft and parts.

Inventories

Inventories for durable goods in October increased $1.2 billion or 0.5 percent to $245.0 billion. Except for the 0.1 percent decrease in September, inventories have increased since March of this year. Electronic and other electrical equipment had the largest increase, $0.6 billion or 1.6 percent to $39.1 billion. This is the tenth consecutive increase and the twenty-second in the last twenty-four months. Industrial machinery and equipment increased $0.3 billion or 0.6 percent to $49.3 billion. This follows a 0.7 percent decline in September, the first decline since March 1993. Primary metals increased $0.2 billion or 1.2 percent to $20.1 billion.

Nondurable goods inventories increased $0.2 billion or 0.2 percent to $143.0 billion, following a 0.1 percent September decline. The largest increases were in rubber and plastic products, printing and publishing, and food and kindred products; the largest decline was in tobacco products.

By stage of fabrication, finished goods increased 1.2 percent in durables and 0.3 percent in nondurables. Work in process decreased 0.2 percent in durables and increased 0.3 percent in nondurables. Materials and supplies increased 0.9 percent in durables and declined 0.1 percent in nondurables.

The advance report on durable goods for November is scheduled for December 23, 1994 at 8:30 a.m. and the full report on January 5, 1995 at 10:00 a.m. For sale by the Superintendent of Documents, U.S. Government Printing Office, Washington, DC 20402. This report is also available the day of issue through the Department of Commerce's online Economic Bulletin Board (N-8-1) (202-482-3870) and through the Census Bureau's online information service--CENDATA. CENDATA is available from Dialog Information Services, Inc. (1-800-334-2564) and CompuServe (1-800-848-8199). The CENDATA staff at the Bureau of the Census (301-763-2074) can provide content information and general guidance.

Table 1. VALUE OF MANUFACTURERS' SHIPMENTS FOR INDUSTRY GROUPS
(Millions of dollars)

Industry	Seasonally adjusted						Not seasonally adjusted[1]						
	Monthly			Percent Change			Monthly				Percent change	Year to date	
	Oct. 1994[p]	Sept. 1994[r]	Aug. 1994	Sept.-Oct.	Aug.-Sept.	July-Aug.	Oct. 1994[p]	Sept. 1994[r]	Aug. 1994	Oct. 1993	Oct. 94/93	1994[p]	1993
All manufacturing industries	284,217	286,134	288,080	-0.7	-0.7	+4.6	295,046	304,359	288,395	272,140	+8.4	2,788,278	2,572,873
Manufacturing Industries													
with unfilled orders	153,591	154,585	155,013	-0.6	-0.3	+3.4	158,723	166,360	153,480	144,879	+9.6	1,495,729	1,365,801
without defense capital goods	277,471	279,451	280,967	-0.7	-0.5	+4.6	288,429	297,166	281,544	264,673	+9.0	2,721,176	2,500,223
Durable goods industries	152,660	154,350	155,619	-1.1	-0.8	+6.2	158,066	164,273	152,591	144,241	+9.6	1,496,389	1,344,111
With unfilled orders	121,264	121,902	122,161	-0.5	-0.2	+3.6	124,335	131,620	119,785	113,064	+10.0	1,180,208	1,070,187
Stone, clay, and glass products	6,694	6,699	6,796	-0.1	-1.4	+0.7	7,341	7,466	7,310	6,687	+9.8	67,230	58,883
Primary metals	13,486	13,393	13,358	+0.7	+0.3	+4.3	14,028	13,935	13,535	11,861	+18.3	128,589	115,546
Blast furnaces, steel mills	5,944	5,938	5,963	+0.1	-0.4	+4.5	6,104	6,069	6,029	5,499	+11.0	57,568	52,853
Iron and steel foundries	1,204	1,246	1,249	-3.4	-0.2	+5.6	1,333	1,312	1,271	1,218	+9.4	12,070	10,500
Nonferrous and other primary metals	6,338	6,209	6,146	+2.1	+1.0	+3.9	6,591	6,554	6,235	5,144	+28.1	58,951	52,193
Fabricated metal products	15,231	15,327	15,674	-0.6	-2.2	+3.5	16,148	16,181	15,806	15,312	+5.5	152,164	141,855
Industrial machinery and equipment	28,746	28,448	28,407	+1.0	+0.1	+4.2	28,199	30,703	26,270	23,723	+18.9	270,318	233,721
Engines and turbines	1,878	1,933	1,950	-2.8	-0.9	+18.7	1,714	2,202	1,728	1,398	+22.6	17,600	14,674
Farm and garden machinery	1,876	1,834	1,986	+2.3	-7.7	+10.9	1,812	1,589	1,504	1,427	+27.0	18,305	15,098
Construction, mining and material handling equipment	2,855	2,814	2,846	+1.5	-1.1	+2.9	2,949	2,843	2,737	2,628	+12.2	27,434	24,773
Metalworking machinery	3,198	3,203	3,098	-0.2	+3.4	+4.0	3,358	3,529	2,895	2,694	+24.6	28,577	25,131
Computer and office equipment	7,820	7,703	7,367	+1.5	+4.6	+2.6	7,077	9,492	6,548	5,793	+22.2	70,916	60,606
Electronic and other electrical equipment	23,470	23,341	23,133	+0.6	+0.9	+1.5	23,879	25,691	22,891	20,346	+17.4	222,457	189,655
Electrical transmission and distribution equipment and industrial apparatus	2,607	2,613	2,653	-0.2	-1.5	+0.3	2,541	2,898	2,601	2,392	+6.2	26,126	23,925
Household appliances	1,865	1,895	1,929	-1.6	-1.8	+2.7	1,854	2,010	1,974	1,700	+9.1	18,834	16,613
Electric lighting and wiring equipment	1,882	1,877	1,878	+0.3	-0.1	+3.8	1,901	2,009	1,841	1,705	+11.5	17,782	16,518
Household audio and video equipment	1,112	1,047	1,074	+6.2	-2.5	+0.5	1,505	1,299	1,184	1,309	+15.0	10,157	9,151
Communications equipment	5,372	5,316	5,107	+1.1	+4.1	+1.3	5,120	6,028	4,846	3,936	+30.1	48,175	37,339
Electronic components	8,370	8,413	8,336	-0.5	+0.9	+3.9	8,370	8,976	8,368	6,809	+22.9	79,476	66,609
Transportation equipment	37,360	39,485	40,612	-5.4	-2.8	+17.1	39,812	40,393	38,786	39,473	+0.9	384,305	350,596
Motor vehicles and parts	26,473	28,324	29,270	-6.5	-3.2	+22.2	29,097	28,534	27,939	27,876	+4.4	274,145	233,405
Aircraft, missiles, space vehicles, and parts	8,128	8,362	8,634	-2.8	-3.2	+4.8	7,843	8,948	8,105	8,975	-12.6	82,813	92,888
Shipbuilding and tanks	848	940	932	-9.8	+0.9	+9.6	846	982	913	1,028	-17.7	9,744	9,659
Instruments and related products	11,021	11,151	11,256	-1.2	-0.9	+3.6	10,927	12,222	10,912	10,684	+2.3	108,715	105,739
Search and navigation equipment	2,457	2,535	2,552	-3.1	-0.7	-2.1	2,323	2,814	2,410	2,447	-5.1	24,373	26,167
Measuring and controlling devices	3,201	3,305	3,315	-3.1	-0.3	+5.6	3,188	3,587	3,265	3,007	+6.0	31,831	28,911
Medical instruments and supplies	3,006	2,984	3,049	+0.7	-2.1	+1.4	2,931	3,214	2,981	2,895	+1.2	29,635	29,050
Photographic goods	1,962	1,931	1,965	+1.6	-1.7	+10.8	2,091	2,167	1,874	2,001	+4.5	19,132	18,225
All other durable goods	16,652	16,506	16,383	+0.9	+0.8	+1.2	17,732	17,682	17,081	16,155	+9.8	162,611	148,116
Nondurable goods industries	131,557	131,784	132,461	-0.2	-0.5	+2.7	136,980	140,086	135,804	127,899	+7.1	1,291,889	1,228,762
With unfilled orders	32,327	32,683	32,852	-1.1	-0.5	+2.7	34,388	34,740	33,695	31,815	+8.1	315,521	295,614
Food and kindred products	35,880	35,810	35,836	+0.2	-0.1	+1.9	37,271	38,219	36,372	36,095	+3.3	355,319	343,616
Meat products	8,170	8,145	8,056	+0.3	+1.1	-0.4	8,497	8,522	8,300	8,344	+1.8	80,814	79,710
Dairy products	4,641	4,641	4,601	0.0	+0.9	+2.2	4,627	4,815	4,718	4,452	+3.9	46,317	44,950
Beverages	5,296	5,182	5,293	+2.2	-2.1	+2.1	5,142	5,305	5,749	4,678	+9.9	52,581	49,486
All other foods, except fats and oils	15,996	16,015	16,051	-0.1	-0.2	+1.9	17,228	17,750	15,770	16,859	+2.2	157,532	152,333
Tobacco products	2,821	2,529	2,766	+11.5	-8.6	-0.3	2,691	2,784	2,802	2,205	+22.0	26,908	25,730
Textile mill products	6,269	6,302	6,261	-0.5	+0.7	+1.1	6,689	6,959	6,678	6,252	+7.0	62,076	58,856
Broadwoven fabrics and other textiles	3,892	3,890	3,866	+0.1	+0.6	+1.0	4,005	4,278	4,081	3,703	+8.2	38,380	36,387
Paper and allied products	12,053	11,843	11,739	+1.8	+0.9	+3.5	12,370	12,283	12,087	10,885	+13.6	113,615	108,412
Pulp, paper, and paperboard mill products	4,898	4,776	4,695	+2.6	+1.7	+4.8	4,937	4,862	4,775	4,292	+15.0	44,933	43,593
Paperboard containers and boxes	3,177	3,120	3,106	+1.8	+0.5	+4.4	3,352	3,214	3,242	2,711	+23.6	29,722	26,707
Miscellaneous converted paper products	3,978	3,947	3,938	+0.8	+0.2	+1.2	4,081	4,207	4,070	3,882	+5.1	38,960	38,112
Chemicals and allied products	29,344	29,475	29,069	-0.4	+1.4	+3.5	28,753	30,783	28,966	25,650	+12.1	283,901	262,793
Industrial chemicals	15,679	15,726	15,374	-0.3	+2.3	+3.8	15,679	16,090	15,525	13,258	+18.3	148,782	135,303
Drugs, soaps, and toiletries	10,307	10,304	10,349	0.0	-0.4	+2.5	10,266	11,720	10,372	9,967	+3.0	101,410	97,035
Petroleum and coal products	11,749	11,971	12,750	-1.9	-6.1	+2.8	12,601	12,711	13,593	12,797	-1.5	119,451	125,086
Rubber and plastics products	9,685	9,639	9,690	+0.5	-0.5	+4.5	10,071	10,013	9,872	9,070	+11.0	95,187	87,557
All other nondurable goods	23,756	24,215	24,350	-1.9	-0.6	+2.5	26,534	26,334	25,434	24,945	+6.4	235,432	216,712

[p] Preliminary. [r] Revised.

[1] Shipments and new orders are the totals for the period and are adjusted for trading-day and calendar-month variations.

See note at end of table 2 relating to survey variability.

Table 2. VALUE OF MANUFACTURERS' NEW ORDERS FOR INDUSTRY GROUPS
(Millions of dollars)

Industry	Seasonally adjusted						Not seasonally adjusted[1]						
	Monthly			Percent Change			Monthly				Percent change	Year to date	
	Oct. 1994[p]	Sept. 1994[r]	Aug. 1994	Sept.-Oct.	Aug.-Sept.	July-Aug.	Oct. 1994[p]	Sept. 1994[r]	Aug. 1994	Oct. 1993	Oct. 94/93	1994[p]	1993
All manufacturing industries	286,012	287,248	287,222	-0.4	0.0	+4.7	295,861	302,249	285,567	268,794	+10.1	2,796,649	2,545,397
Manufacturing industries with unfilled orders	155,386	155,699	154,155	-0.2	+1.0	+3.6	159,538	164,250	150,652	141,533	+12.7	1,504,100	1,338,325
without defense capital goods	280,020	280,309	281,075	-0.1	-0.3	+4.6	289,311	295,003	281,003	262,703	+10.1	2,736,709	2,483,876
Durable goods industries	153,934	155,433	154,675	-1.0	+0.5	+6.5	159,274	162,557	149,592	142,295	+11.9	1,501,257	1,317,738
With unfilled orders	122,538	122,985	121,217	-0.4	+1.5	+3.8	125,543	129,904	116,786	111,118	+13.0	1,185,076	1,043,814
Stone, clay, and glass products	6,801	6,702	6,783	+1.5	-1.2	-0.1	7,189	7,252	7,327	6,376	+12.8	67,808	59,720
Primary metals	14,544	14,398	13,696	+1.0	+5.1	+5.2	14,390	14,028	13,059	11,589	+24.2	133,313	115,986
Blast furnaces, steel mills	6,126	6,221	6,032	-1.5	+3.1	+7.2	5,901	6,037	5,830	5,355	+10.2	58,513	54,164
Iron and steel foundries	1,220	1,277	1,140	-4.5	+12.0	-6.9	1,380	1,265	1,116	1,325	+4.2	12,506	10,719
Nonferrous and other primary metals	7,198	6,900	6,524	+4.3	+5.8	+5.8	7,109	6,726	6,113	4,909	+44.8	62,294	51,103
Fabricated metal products	15,111	15,052	15,722	+0.4	-4.3	+2.8	15,810	15,849	15,974	14,731	+7.3	152,410	139,699
Industrial machinery and equipment	30,287	29,842	29,883	+1.5	-0.1	+4.9	30,404	31,656	27,875	24,428	+24.5	283,398	234,925
Engines and turbines	2,065	1,906	2,533	+8.3	-24.8	+49.4	2,158	2,196	2,605	1,466	+47.2	18,652	15,025
Construction, mining and material handling equipment	2,993	3,010	2,865	-0.6	+5.1	+4.6	3,168	3,007	2,723	2,759	+14.8	28,520	24,873
Metalworking machinery	3,112	3,337	3,264	-6.7	+2.2	+7.2	3,272	3,663	3,061	2,499	+30.9	30,648	24,626
Computer and office equipment	8,522	8,289	7,748	+2.8	+7.0	-0.1	8,060	9,915	6,963	5,880	+37.1	75,442	60,498
Electronic and other electrical equipment	23,515	23,403	22,437	+0.5	+4.3	+1.1	24,181	25,176	22,100	22,101	+9.4	223,271	193,340
Electrical transmission and distribution equipment and industrial apparatus	2,749	2,517	2,582	+9.2	-2.5	-1.2	2,690	2,767	2,534	2,406	+11.8	26,346	24,227
Electric lighting and wiring equipment	1,977	1,931	1,875	+2.4	+3.0	+0.3	1,996	2,063	1,838	1,727	+15.6	18,202	16,697
Communications equipment	5,004	5,832	4,706	-14.2	+23.9	-3.3	4,826	6,554	4,429	4,369	+10.5	47,363	39,021
Electronic components	8,540	8,042	8,053	+6.2	-0.1	+2.8	8,629	8,100	7,922	7,785	+10.8	79,978	67,195
Transportation equipment	35,469	38,887	38,798	-8.8	+0.2	+20.1	38,238	39,264	35,970	36,568	+4.6	371,472	322,359
Aircraft, missiles, space vehicles, and parts.	6,158	7,145	7,167	-13.8	-0.3	+31.1	6,260	7,355	5,618	5,916	+5.8	70,318	63,975
Shipbuilding and tanks	535	1,423	419	-62.4	+239.6	-52.2	537	1,449	406	689	-22.1	6,810	9,158
Instruments and related products	11,534	10,531	10,862	+9.5	-3.0	-0.5	11,640	11,779	10,244	10,632	+9.5	105,850	102,547
Search and navigation equipment	2,481	2,400	2,385	+3.4	+0.6	-5.7	2,573	2,842	1,958	2,251	+14.3	21,904	23,984
Measuring and controlling devices	3,533	3,087	3,223	+14.4	-4.2	-0.8	3,520	3,369	3,173	3,064	+14.9	32,251	28,442
Medical instruments and supplies	3,077	2,700	2,923	+14.0	-7.6	-4.0	3,002	2,930	2,855	3,092	-2.9	28,757	28,527
All other durable goods	16,673	16,618	16,494	+0.3	+0.8	+1.4	17,422	17,553	17,043	15,870	+9.8	163,735	149,162
Nondurable goods industries	132,078	131,815	132,547	+0.2	-0.6	+2.7	136,587	139,692	135,975	126,499	+8.0	1,295,392	1,227,659
With unfilled orders	32,848	32,714	32,938	+0.4	-0.7	+2.9	33,995	34,346	33,866	30,415	+11.8	319,024	294,511

[p] Preliminary. [r] Revised.

[1] Shipments and new orders are the totals for the period and are adjusted for trading-day and calendar-month variations.

(n) When new orders for a prior month are negative because of cancellations, the percentage change calculation is algebraically negative, even though there is a net dolla increase from the prior month to the current month.

Note : Estimates of manufacturers' shipments, inventories and orders are subject to survey variability and revision. Since the survey panel is not a probability sampl estimates of sampling variability cannot be calculated. Further details on survey design, methodology, and data limitation are contained in our most recent annual benchmar publication, Current Industrial Reports: M3-1(92), "Manufacturers' Shipments, Inventories, and Orders: 1982-1992."

Table 3. VALUE OF MANUFACTURERS' UNFILLED ORDERS FOR INDUSTRY GROUPS
(Millions of dollars)

Industry	Seasonally adjusted						Not seasonally adjusted				
	Monthly			Percent Change			Monthly				Percent change
	Oct. 1994[p]	Sept. 1994[r]	Aug. 1994	Sept.-Oct.	Aug.-Sept.	July-Aug.	Oct. 1994[p]	Sept. 1994[r]	Aug. 1994	Oct. 1993	Oct. 94/93
All manufacturing industries	450,638	448,843	447,729	+0.4	+0.2	-0.2	446,729	445,914	448,024	444,710	+0.5
Manufacturing industries without defense capital goods	339,612	337,063	336,205	+0.8	+0.3	0.0	336,753	335,871	338,034	326,059	+3.3
Durable goods industries	425,976	424,702	423,619	+0.3	+0.3	-0.2	422,495	421,287	423,003	423,752	-0.3
Stone, clay, and glass products	7,432	7,325	7,322	+1.5	0.0	-0.2	7,397	7,549	7,763	7,229	+2.3
Primary metals	28,006	26,948	25,943	+3.9	+3.9	+1.3	26,272	25,910	25,817	21,116	+24.4
Blast furnaces, steel mills	11,435	11,253	10,970	+1.6	+2.6	+0.6	10,657	10,860	10,892	9,733	+9.5
Iron and steel foundries	3,507	3,491	3,460	+0.5	+0.9	-3.1	3,479	3,432	3,479	3,049	+14.1
Nonferrous and other primary metals	13,064	12,204	11,513	+7.0	+6.0	+3.4	12,136	11,618	11,446	8,334	+45.6
Fabricated metal products	20,437	20,557	20,832	-0.6	-1.3	+0.2	20,292	20,630	20,962	20,605	-1.5
Industrial machinery and equipment	66,008	64,467	63,073	+2.4	+2.2	+2.4	66,058	63,853	62,900	51,323	+28.7
Engines and turbines	10,793	10,606	10,633	+1.8	-0.3	+5.8	11,191	10,747	10,753	10,407	+7.5
Construction, mining and material handling equipment	6,968	6,830	6,634	+2.0	+3.0	+0.3	6,877	6,658	6,494	5,699	+20.7
Metalworking machinery	9,406	9,492	9,358	-0.9	+1.4	+1.8	9,406	9,492	9,358	6,828	+37.8
Computer and office equipment	11,368	10,666	10,080	+6.6	+5.8	+3.9	11,777	10,794	10,371	7,013	+67.9
Electronic and other electrical equipment	45,516	45,471	45,409	+0.1	+0.1	-1.5	45,252	44,950	45,465	45,772	-1.1
Electrical transmission and distribution equipment and industrial apparatus	5,999	5,857	5,953	+2.4	-1.6	-1.2	5,990	5,841	5,972	5,854	+2.3
Electric lighting and wiring equipment	3,657	3,562	3,508	+2.7	+1.5	-0.1	3,657	3,562	3,508	3,159	+15.8
Communications equipment	14,162	14,530	14,014	-2.5	+3.7	-2.8	14,220	14,514	13,988	15,104	-5.9
Electronic components	16,023	15,853	16,224	+1.1	-2.3	-1.7	15,606	15,347	16,223	16,268	-4.1
Transportation equipment	201,890	203,781	204,379	-0.9	-0.3	-0.9	200,643	202,217	203,346	217,609	-7.8
Aircraft, missiles, space vehicles, and parts	172,610	174,580	175,797	-1.1	-0.7	-0.8	171,530	173,113	174,706	188,263	-8.9
Shipbuilding and tanks	16,346	16,659	16,176	-1.9	+3.0	-3.1	16,362	16,671	16,204	20,713	-21.0
Instruments and related products	48,547	48,034	48,654	+1.1	-1.3	-0.8	48,529	47,816	48,259	52,395	-7.4
Search and navigation equipment	31,849	31,825	31,960	+0.1	-0.4	-0.5	31,821	31,571	31,543	34,972	-9.0
Measuring and controlling devices	9,252	8,920	9,138	+3.7	-2.4	-1.0	9,252	8,920	9,138	8,719	+6.1
Medical instruments and supplies	6,578	6,507	6,791	+1.1	-4.2	-1.8	6,578	6,507	6,791	7,900	-16.7
All other durable goods	8,140	8,119	8,007	+0.3	+1.4	+1.4	8,052	8,362	8,491	7,703	+4.5
Nondurable goods industries	24,662	24,141	24,110	+2.2	+0.1	+0.4	24,234	24,627	25,021	20,958	+15.6

[p] Preliminary. [r] Revised.

See note at end of table 2 relating to survey variability.

Table 4. VALUE OF MANUFACTURERS' INVENTORIES FOR INDUSTRY GROUPS
(Millions of dollars)

Industry	Seasonally adjusted						Not seasonally adjusted				
	Monthly			Percent Change			Monthly				Percent change
	Oct. 1994[p]	Sept. 1994[r]	Aug. 1994	Sept.-Oct.	Aug.-Sept.	July-Aug.	Oct. 1994[p]	Sept. 1994[r]	Aug. 1994	Oct. 1993	Oct. 94/93
All manufacturing industries	387,987	386,531	387,012	+0.4	-0.1	+0.1	389,635	386,321	390,510	381,337	+2.2
Manufacturing industries											
with unfilled orders	257,769	256,451	256,822	+0.5	-0.1	+0.3	258,584	256,491	260,447	251,455	+2.8
without defense capital goods	364,402	362,987	363,014	+0.4	0.0	+0.2	365,746	362,721	366,009	353,563	+3.4
Durable goods industries	245,031	243,814	244,116	+0.5	-0.1	+0.3	245,782	243,587	246,726	238,113	+3.2
With unfilled orders	224,136	222,960	223,370	+0.5	-0.2	+0.4	225,154	223,028	226,375	218,470	+3.1
Stone, clay, and glass products	7,527	7,500	7,448	+0.4	+0.7	-0.1	7,308	7,303	7,398	7,365	-0.8
Primary metals	20,103	19,870	19,813	+1.2	+0.3	-0.4	20,233	19,954	20,022	19,452	+4.0
Blast furnaces, steel mills	9,697	9,580	9,548	+1.2	+0.3	-0.6	9,755	9,572	9,587	9,517	+2.5
Iron and steel foundries	1,551	1,536	1,538	+1.0	-0.1	0.0	1,526	1,517	1,531	1,382	+10.4
Nonferrous and other primary metals	8,855	8,754	8,727	+1.2	+0.3	-0.3	8,952	8,865	8,904	8,553	+4.7
Fabricated metal products	23,695	23,637	23,754	+0.2	-0.5	-0.1	23,437	23,457	23,837	22,874	+2.5
Industrial machinery and equipment	49,309	48,993	49,341	+0.6	-0.7	+0.9	49,910	49,082	49,986	46,455	+7.4
Engines and turbines	3,676	3,780	3,703	-2.8	+2.1	+1.9	3,871	3,867	3,905	3,733	+3.7
Farm and garden machinery	2,652	2,628	2,584	+0.9	+1.7	+1.4	2,615	2,555	2,448	2,289	+14.2
Construction, mining and material handling equipment	6,001	5,931	5,878	+1.2	+0.9	+0.8	5,947	5,887	5,845	5,677	+4.8
Metalworking machinery	5,585	5,595	5,704	-0.2	-1.9	+1.2	5,652	5,674	5,879	5,251	+7.6
Computer and office equipment	11,426	11,219	11,933	+1.8	-6.0	0.0	11,792	11,363	12,431	11,189	+5.4
Electronic and other electrical equipment	39,078	38,447	37,823	+1.6	+1.6	+1.8	39,081	38,286	38,462	33,379	+17.1
Electrical transmission and distribution equipment and industrial apparatus	4,603	4,544	4,502	+1.3	+0.9	+0.9	4,619	4,557	4,598	4,290	+7.7
Household appliances	2,781	2,717	2,675	+2.4	+1.6	+3.6	2,673	2,564	2,590	2,431	+10.0
Electric lighting and wiring equipment	3,024	3,003	2,997	+0.7	+0.2	+0.7	3,039	2,993	3,044	2,825	+7.6
Household audio and video equipment	1,193	1,223	1,167	-2.5	+4.8	+3.0	1,211	1,292	1,265	1,025	+18.1
Communications equipment	11,804	11,536	11,222	+2.3	+2.8	+2.3	11,742	11,381	11,421	8,974	+30.8
Electronic components	12,206	11,984	11,830	+1.9	+1.3	+1.2	12,316	12,020	12,004	10,573	+16.5
Transportation equipment	59,364	59,400	60,015	-0.1	-1.0	-0.9	59,887	59,539	60,723	63,385	-5.5
Motor vehicles and parts	11,795	11,830	11,804	-0.3	+0.2	-2.9	12,014	12,057	12,028	11,666	+3.0
Aircraft, missiles, space vehicles, and parts	43,334	43,523	44,156	-0.4	-1.4	-0.5	43,749	43,522	44,645	47,667	-8.2
Shipbuilding and tanks	1,497	1,378	1,406	+8.6	-2.0	+0.9	1,439	1,337	1,440	1,574	-8.6
Instruments and related products	21,830	21,927	21,979	-0.4	-0.2	+0.2	21,995	22,041	22,314	22,718	-3.2
Search and navigation equipment	5,468	5,531	5,710	-1.1	-3.1	-1.2	5,555	5,615	5,871	6,123	-9.3
Measuring and controlling devices	6,597	6,607	6,502	-0.2	+1.6	+1.0	6,617	6,614	6,555	6,554	+1.0
Medical instruments and supplies	6,224	6,233	6,257	-0.1	-0.4	+0.7	6,268	6,224	6,320	6,279	-0.2
Photographic goods	2,673	2,686	2,674	-0.5	+0.4	+0.3	2,694	2,738	2,731	2,954	-8.8
All other durable goods	24,125	24,040	23,943	+0.4	+0.4	+0.8	23,931	23,925	23,984	22,485	+6.4
Nondurable goods industries	142,956	142,717	142,896	+0.2	-0.1	-0.2	143,853	142,734	143,784	143,224	+0.4
With unfilled orders	33,633	33,491	33,452	+0.4	+0.1	-0.1	33,430	33,463	34,072	32,985	+1.3
Food and kindred products	31,147	31,045	30,798	+0.3	+0.8	-0.1	32,828	31,626	31,005	31,524	+4.1
Meat products	3,424	3,462	3,489	-1.1	-0.8	-1.7	3,400	3,429	3,472	3,175	+7.1
Dairy products	2,740	2,716	2,675	+0.9	+1.5	+0.7	2,732	2,722	2,777	2,754	-0.8
Beverages	5,293	5,302	5,298	-0.2	+0.1	-0.3	5,351	5,316	5,206	5,371	-0.4
All other foods, except fats and oils	18,034	17,904	17,662	+0.7	+1.4	+0.8	19,639	18,787	18,081	18,551	+5.9
Tobacco products	5,601	5,713	5,722	-2.0	-0.2	-2.4	5,668	5,641	5,520	6,635	-14.6
Textile mill products	9,700	9,633	9,639	+0.7	-0.1	-0.4	9,470	9,468	9,728	9,085	+4.2
Broadwoven fabrics and other textiles	5,447	5,411	5,411	+0.7	0.0	-0.2	5,354	5,268	5,410	5,173	+3.5
Paper and allied products	13,481	13,548	13,580	-0.5	-0.2	+0.3	13,245	13,337	13,533	13,302	-0.4
Pulp, paper, and paperboard mill products	5,443	5,521	5,606	-1.4	-1.5	-1.0	5,334	5,423	5,577	5,695	-6.3
Paperboard containers and boxes	3,377	3,350	3,300	+0.8	+1.5	+2.0	3,306	3,319	3,285	3,106	+6.4
Miscellaneous converted paper products	4,661	4,677	4,674	-0.3	+0.1	+0.8	4,605	4,595	4,671	4,501	+2.3
Chemicals and allied products	33,910	33,981	34,087	-0.2	-0.3	-0.5	33,667	33,529	33,957	34,372	-2.1
Industrial chemicals	16,123	16,024	16,054	+0.6	-0.2	-0.4	15,978	15,891	15,984	16,725	-4.5
Drugs, soaps, and toiletries	13,396	13,566	13,663	-1.3	-0.7	-0.8	13,396	13,454	13,860	13,424	-0.2
Petroleum and coal products	10,361	10,310	10,594	+0.5	-2.7	-0.6	10,676	10,491	10,844	10,947	-2.5
Rubber and plastics products	12,754	12,620	12,650	+1.1	-0.2	0.0	12,568	12,435	12,492	12,002	+4.7
All other nondurable goods	26,002	25,867	25,826	+0.5	+0.2	+0.2	25,731	26,207	26,705	25,357	+1.5

[p] Preliminary. [r] Revised.

See note at end of table 2 relating to survey variability.

Table 5. VALUE OF MANUFACTURERS' SHIPMENTS AND NEW ORDERS FOR TOPICAL SERIES[1]
(Millions of dollars)

Industry	Seasonally adjusted						Not seasonally adjusted [2]						
	Monthly			Percent Change			Monthly				Percent change	Year to date	
	Oct. 1994[p]	Sept. 1994[r]	Aug. 1994	Sept.-Oct.	Aug.-Sept.	July-Aug.	Oct. 1994[p]	Sept. 1994[r]	Aug. 1994	Oct. 1993	Oct. 94/93	1994[p]	1993
SHIPMENTS													
All manufacturing industries	284,217	286,134	288,080	-0.7	-0.7	+4.6	295,046	304,359	288,395	272,140	+8.4	2,788,278	2,572,873
Market categories :													
Automotive equipment	13,598	14,371	14,796	-5.4	-2.9	+22.3	15,027	14,602	14,264	14,241	+5.5	139,049	119,105
Home goods and apparel	19,581	19,565	19,281	+0.1	+1.5	+2.2	22,227	22,072	20,643	20,484	+8.5	191,322	176,908
Consumer staples	59,044	59,023	59,964	0.0	-1.6	+2.1	60,875	63,666	61,043	58,792	+3.5	584,833	568,691
Machinery and equipment	50,057	51,011	51,092	-1.9	-0.2	+8.1	50,249	54,714	48,148	45,245	+11.1	486,434	431,295
Business supplies	20,978	21,412	21,656	-2.0	-1.1	+2.0	22,204	22,304	21,681	20,856	+6.5	208,879	195,255
Construction materials and supplies	18,319	18,178	18,375	+0.8	-1.1	+2.3	19,371	19,545	19,376	17,856	+8.5	180,565	165,885
Defense products	7,269	7,175	7,508	+1.3	-4.4	+2.6	7,152	7,746	7,301	7,801	-8.3	71,722	75,431
Other materials, supplies and and intermediate products	95,371	95,399	95,408	0.0	0.0	+3.7	97,941	99,710	95,939	86,865	+12.8	925,474	840,303
Durable goods industries :													
Nondefense capital goods [3]	38,210	38,508	37,900	-0.8	+1.6	+3.3	36,998	42,470	35,488	32,527	+13.7	363,872	324,857
Excluding aircraft and parts	33,671	33,609	33,141	+0.2	+1.4	+3.3	32,772	37,179	31,145	27,839	+17.7	317,070	271,761
Defense capital goods [4]	6,746	6,683	7,113	+0.9	-6.0	+4.0	6,617	7,193	6,851	7,467	-11.4	67,102	72,650
Durables excluding capital goods	107,704	109,159	110,606	-1.3	-1.3	+7.4	114,451	114,610	110,252	104,247	+9.8	1,065,415	946,604
Miscellaneous series :													
Producers' durable equipment	97,204	99,532	100,595	-2.3	-1.1	+8.5	100,643	105,868	96,331	92,639	+8.6	961,095	852,697
Household durable goods	8,278	8,294	8,254	-0.2	+0.5	+2.9	9,260	9,481	8,459	8,446	+9.6	80,520	73,912
Information technology industries	18,505	18,469	17,965	+0.2	+2.8	+3.5	17,644	21,508	16,742	14,979	+17.8	172,129	147,457
Health care equipment and products	8,602	8,577	8,667	+0.3	-1.0	+2.2	8,510	9,564	8,614	8,305	+2.5	84,703	81,699
NEW ORDERS													
All manufacturing industries	286,012	287,248	287,222	-0.4	0.0	+4.7	295,861	302,249	285,567	268,794	+10.1	2,796,649	2,545,397
Market categories :													
Automotive equipment	13,607	14,364	14,831	-5.3	-3.1	+22.6	15,040	14,555	14,310	14,321	+5.0	139,234	119,322
Hon.e goods and apparel	19,490	19,494	19,042	0.0	+2.4	+0.7	21,414	21,575	20,467	19,525	+9.7	192,685	178,026
Consumer staples	59,050	58,973	60,040	+0.1	-1.8	+2.2	60,853	63,622	61,150	58,733	+3.6	584,916	568,675
Machinery and equipment	49,917	51,036	50,664	-2.2	+0.7	+7.7	50,449	54,144	47,566	44,707	+12.8	486,579	416,688
Business supplies	21,142	21,320	21,631	-0.8	-1.4	+1.9	22,227	22,183	21,720	20,745	+7.1	209,186	194,996
Construction materials and supplies	18,631	18,244	18,355	+2.1	-0.6	+1.6	19,426	19,385	19,326	17,458	+11.3	181,962	165,691
Defense products	6,374	7,354	6,336	-13.3	+16.1	+3.7	6,898	7,744	4,829	6,569	+5.0	64,596	64,546
Other materials, supplies and and intermediate products	97,801	96,463	96,323	+1.4	+0.1	+4.6	99,554	99,041	96,199	86,736	+14.8	937,491	837,453
Durable goods industries :													
Nondefense capital goods [3]	38,139	39,056	37,595	-2.3	+3.9	+3.5	37,578	42,405	35,366	31,653	+18.7	365,937	307,274
Excluding aircraft and parts	35,401	35,355	34,158	+0.1	+3.5	+2.1	35,153	38,312	32,345	29,147	+20.6	330,806	274,975
Defense capital goods [4]	5,992	6,939	6,147	-13.6	+12.9	+10.8	6,550	7,246	4,564	6,091	+7.5	59,940	61,521
Durables excluding capital goods	109,803	109,438	110,933	+0.3	-1.3	+7.3	115,146	112,906	109,662	104,551	+10.1	1,075,380	948,943
Miscellaneous series :													
Producers' durable equipment	98,334	99,256	100,590	-0.9	-1.3	+8.1	101,895	104,540	96,578	92,741	+9.9	968,518	843,614
Household durable goods	8,278	8,443	8,275	-2.0	+2.0	+2.9	8,925	9,427	8,516	8,146	+9.6	81,677	74,932
Information technology industries	19,373	19,435	17,998	-0.3	+8.0	-0.5	18,784	22,300	16,798	15,379	+22.1	176,945	148,211
Health care equipment and products	8,672	8,294	8,541	+4.6	-2.9	+0.2	8,580	9,281	8,488	8,502	+0.9	83,826	81,177

[p] Preliminary. [r] Revised.

[1] Topical series are regroupings of the separate industry categories.

[2] Shipments and new orders are the totals for the period and are adjusted for trading-day and calendar-month variations.

[3] Nondefense capital goods industries include : ordnance and accessories; steam, gas and hydraulic turbines; internal combustion engines; construction, mining, and mate handling equipment; metalworking machinery; special industry machinery; general industrial machinery; computer and office equipment; refrigeration, heating and serv industry machinery; electrical transmission and distribution equipment; electrical industrial apparatus; communications equipment; aircraft, missiles, space vehicles, and engi and parts; ships and tank components; railroad equipment; and search and navigation equipment.

[4] Defense capital goods industries include : ordnance and accessories; communications equipment; aircraft, missiles, space vehicles, and engines and parts; ships, ta and tank components; and search and navigation equipment.

See note at end of table 2 relating to survey variability.

Table 6. VALUE OF MANUFACTURERS' UNFILLED ORDERS AND TOTAL INVENTORIES FOR TOPICAL SERIES[1]
(Millions of dollars)

Industry	Seasonally adjusted						Not seasonally adjusted				
	Monthly			Percent Change			Monthly				Percent change
	Oct. 1994[p]	Sept. 1994[r]	Aug. 1994	Sept.-Oct.	Aug.-Sept.	July-Aug.	Oct. 1994[p]	Sept. 1994[r]	Aug. 1994	Oct. 1993	Oct. 94/93
UNFILLED ORDERS											
All manufacturing industries	450,638	448,843	447,729	+0.4	+0.2	-0.2	446,729	445,914	448,024	444,710	+0.5
Market categories :											
Automotive equipment	2,106	2,097	2,103	+0.4	-0.3	+1.7	2,087	2,075	2,121	1,803	+15.8
Home goods and apparel	10,287	10,378	10,448	-0.9	-0.7	-2.2	10,025	10,839	11,336	9,709	+3.3
Consumer staples	1,538	1,532	1,581	+0.4	-3.1	+5.0	1,561	1,583	1,626	1,423	+9.7
Machinery and equipment	180,757	180,896	180,871	-0.1	0.0	-0.2	180,369	180,169	180,739	182,899	-1.4
Business supplies	5,732	5,568	5,660	+2.9	-1.6	-0.4	5,674	5,651	5,772	5,429	+4.5
Construction materials and supplies	15,477	15,165	15,099	+2.1	+0.4	-0.1	15,273	15,218	15,377	14,132	+8.1
Defense products	104,934	105,830	105,650	-0.8	+0.2	-1.1	103,784	104,038	104,040	112,451	-7.7
Other materials, supplies and and intermediate products	129,807	127,377	126,317	+1.9	+0.8	+0.7	127,956	126,341	127,013	116,864	+9.5
Durable goods industries :											
Nondefense capital goods [3]	199,466	199,537	198,989	0.0	+0.3	-0.2	199,402	198,822	198,887	199,601	-0.1
Excluding aircraft and parts	89,458	87,728	85,982	+2.0	+2.0	+1.2	89,394	87,013	85,880	73,474	+21.7
Defense capital goods [4]	111,026	111,780	111,524	-0.7	+0.2	-0.9	109,976	110,043	109,990	118,651	-7.3
Durables excluding capital goods	115,484	113,385	113,106	+1.9	+0.2	+0.3	113,117	112,422	114,126	105,500	+7.2
Miscellaneous series :											
Producers' durable equipment	213,786	212,656	212,932	+0.5	-0.1	0.0	213,566	212,314	213,642	209,291	+2.0
Household durable goods	6,090	6,090	5,941	0.0	+2.5	+0.4	5,992	6,327	6,381	5,446	+10.0
Information technology industries	36,499	35,631	34,665	+2.4	+2.8	+0.1	36,902	35,762	34,970	31,870	+15.8
Health care equipment and products	6,609	6,539	6,822	+1.1	-4.1	-1.8	6,610	6,539	6,823	7,930	-16.6
TOTAL INVENTORIES											
All manufacturing industries	387,987	386,531	387,012	+0.4	-0.1	+0.1	389,635	386,321	390,510	381,337	+2.2
Market categories :											
Automotive equipment	6,195	6,168	6,163	+0.4	+0.1	-1.3	6,197	6,187	6,184	6,094	+1.7
Home goods and apparel	31,785	31,714	31,618	+0.2	+0.3	+1.2	31,051	31,613	32,231	29,787	+4.2
Consumer staples	58,189	58,327	58,393	-0.2	-0.1	-0.4	59,979	58,979	58,926	59,993	0.0
Machinery and equipment	93,791	93,405	93,702	+0.4	-0.3	+0.8	94,393	93,395	94,747	89,097	+5.9
Business supplies	21,372	21,209	21,202	+0.8	0.0	-0.5	21,541	21,390	21,595	21,327	+1.0
Construction materials and supplies	24,929	24,851	24,771	+0.3	+0.3	0.0	24,628	24,576	24,760	23,442	+5.1
Defense products	22,687	22,669	23,143	+0.1	-2.0	-1.8	22,938	22,710	23,593	26,302	-12.8
Other materials, supplies and and intermediate products	129,039	128,188	128,020	+0.7	+0.1	+0.1	128,908	127,471	128,474	125,295	+2.9
Durable goods industries :											
Nondefense capital goods [3]	88,484	88,009	88,434	+0.5	-0.5	+0.9	89,211	88,012	89,698	83,839	+6.4
Excluding aircraft and parts	62,326	61,642	61,678	+1.1	-0.1	+1.1	62,889	61,648	62,793	56,887	+10.6
Defense capital goods [4]	23,585	23,544	23,998	+0.2	-1.9	-2.0	23,889	23,600	24,501	27,774	-14.0
Durables excluding capital goods	132,962	132,261	131,684	+0.5	+0.4	+0.3	132,682	131,975	132,527	126,500	+4.9
Miscellaneous series :											
Producers' durable equipment	150,909	150,225	150,244	+0.5	0.0	+0.6	151,591	150,306	151,948	143,177	+5.9
Household durable goods	13,982	13,981	13,991	0.0	-0.1	+1.9	13,861	13,908	14,278	13,341	+3.9
Information technology industries	33,136	32,743	33,042	+1.2	-0.9	+1.0	33,528	32,799	33,864	30,696	+9.2
Health care equipment and products	13,507	13,606	13,681	-0.7	-0.5	-0.1	13,549	13,536	13,847	13,565	-0.1

See footnotes at end of table 5.

See note at end of table 2 relating to survey variability.

Table 7. VALUE OF MANUFACTURERS' INVENTORIES, BY STAGE OF FABRICATION, BY INDUSTRY GROUP
(Millions of dollars)

Industry	Seasonally adjusted						Not seasonally adjusted				
	Monthly			Percent Change			Monthly				Percent change
	Oct. 1994[p]	Sept. 1994[r]	Aug. 1994	Sept.-Oct.	Aug.-Sept.	July-Aug.	Oct. 1994[p]	Sept. 1994[r]	Aug. 1994	Oct. 1993	Oct. 94/93
MATERIALS AND SUPPLIES											
All manufacturing industries	125,867	125,284	124,331	+0.5	+0.8	+0.4	126,539	125,265	124,930	120,945	+4.6
Durable goods industries	73,342	72,713	72,238	+0.9	+0.7	+0.7	73,955	73,172	73,107	68,799	+7.5
Stone, clay, and glass products	2,612	2,616	2,553	-0.2	+2.5	+0.4	2,601	2,608	2,565	2,503	+3.9
Primary metals	6,258	6,170	6,081	+1.4	+1.5	+0.8	6,402	6,269	6,167	6,024	+6.3
Fabricated metal products	8,261	8,186	8,036	+0.9	+1.9	-0.3	8,217	8,243	8,076	7,583	+8.4
Industrial machinery and equipment	16,284	16,243	16,390	+0.3	-0.9	+3.0	16,467	16,287	16,657	14,423	+14.2
Electronic and other electrical equipment	12,731	12,379	12,214	+2.8	+1.4	+1.3	12,754	12,369	12,392	10,634	+19.9
Transportation equipment	10,874	10,899	10,816	-0.2	+0.8	-1.9	10,901	10,975	10,962	11,575	-5.8
Instruments and related products	6,745	6,693	6,720	+0.8	-0.4	+0.3	6,723	6,703	6,798	6,682	+0.6
Lumber, furniture and miscellaneous durable goods	9,577	9,527	9,428	+0.5	+1.1	+0.3	9,890	9,718	9,490	9,375	+5.5
Nondurable goods industries	52,525	52,571	52,093	-0.1	+0.9	+0.1	52,584	52,093	51,823	52,146	+0.8
Food and kindred products	10,303	10,225	10,000	+0.8	+2.3	+0.8	10,525	9,855	9,699	10,170	+3.5
Tobacco products	4,728	4,813	4,894	-1.8	-1.7	-1.8	4,622	4,700	4,705	5,246	-11.9
Textile mill products	2,827	2,802	2,790	+0.9	+0.4	+0.4	2,737	2,748	2,814	2,569	+6.5
Paper and allied products	6,810	6,813	6,765	0.0	+0.7	+1.2	6,820	6,816	6,734	6,743	+1.1
Chemicals and allied products	11,279	11,301	11,238	-0.2	+0.6	-0.3	11,290	11,233	11,270	11,245	+0.4
Petroleum and coal products	3,009	3,047	3,021	-1.2	+0.9	-1.1	3,059	3,051	3,075	3,083	-0.8
Rubber and plastics products	4,716	4,673	4,673	+0.9	0.0	0.0	4,714	4,697	4,618	4,384	+7.5
Apparel, printing and publishing and leather goods	8,853	8,897	8,712	-0.5	+2.1	+0.4	8,817	8,993	8,908	8,706	+1.3
WORK IN PROCESS											
All manufacturing industries	129,253	129,363	129,959	-0.1	-0.5	-0.4	131,073	130,264	131,586	131,952	-0.7
Durable goods industries	105,280	105,458	106,207	-0.2	-0.7	-0.3	106,497	106,147	107,740	108,010	-1.4
Stone, clay, and glass products	1,038	1,004	1,034	+3.4	-2.9	-1.1	994	991	1,048	1,030	-3.5
Primary metals	7,380	7,359	7,430	+0.3	-1.0	-1.6	7,425	7,432	7,558	7,491	-0.9
Fabricated metal products	7,527	7,551	7,683	-0.3	-1.7	-0.3	7,561	7,566	7,782	7,785	-2.9
Industrial machinery and equipment	18,592	18,851	19,040	-1.4	-1.0	+0.1	19,267	19,373	19,331	19,386	-0.6
Electronic and other electrical equipment	15,885	15,727	15,413	+1.0	+2.0	+0.7	15,962	15,698	15,684	14,045	+13.6
Transportation equipment	40,566	40,580	41,286	0.0	-1.7	-0.7	40,908	40,580	41,718	43,787	-6.6
Instruments and related products	9,115	9,199	9,208	-0.9	-0.1	-0.7	9,268	9,306	9,443	9,851	-5.9
Lumber, furniture and miscellaneous durable goods	5,177	5,187	5,113	-0.2	+1.4	+1.5	5,112	5,201	5,176	4,635	+10.3
Nondurable goods industries	23,973	23,905	23,752	+0.3	+0.6	-0.6	24,576	24,117	23,846	23,942	+2.6
Food and kindred products	4,220	4,212	4,060	+0.2	+3.7	-1.6	4,674	4,236	3,747	4,380	+6.7
Tobacco products	186	192	181	-3.1	+6.1	+4.6	266	223	144	239	+11.3
Textile mill products	2,554	2,550	2,563	+0.2	-0.5	-1.7	2,542	2,565	2,579	2,521	+0.8
Paper and allied products	1,212	1,198	1,197	+1.2	+0.1	+0.1	1,166	1,181	1,223	1,142	+2.1
Chemicals and allied products	5,435	5,499	5,499	-1.2	0.0	-0.4	5,456	5,493	5,548	5,795	-5.8
Petroleum and coal products	2,274	2,225	2,322	+2.2	-4.2	0.0	2,359	2,270	2,408	2,493	-5.4
Rubber and plastics products	1,863	1,864	1,854	-0.1	+0.5	0.0	1,909	1,855	1,854	1,793	+6.5
Apparel, printing and publishing and leather goods	6,229	6,165	6,076	+1.0	+1.5	-0.2	6,204	6,294	6,343	5,579	+11.2
FINISHED GOODS											
All manufacturing industries	132,867	131,884	132,722	+0.7	-0.6	+0.2	132,023	130,792	133,994	128,440	+2.8
Durable goods industries	66,409	65,643	65,671	+1.2	0.0	+0.8	65,330	64,268	65,879	61,304	+6.6
Stone, clay, and glass products	3,877	3,880	3,861	-0.1	+0.5	-0.3	3,713	3,704	3,785	3,832	-3.1
Primary metals	6,465	6,341	6,302	+2.0	+0.6	-0.1	6,406	6,253	6,297	5,937	+7.9
Fabricated metal products	7,907	7,900	8,035	+0.1	-1.7	+0.5	7,659	7,648	7,979	7,506	+2.0
Industrial machinery and equipment	14,433	13,899	13,911	+3.8	-0.1	-0.4	14,176	13,422	13,998	12,646	+12.1
Electronic and other electrical equipment	10,462	10,341	10,196	+1.2	+1.4	+4.2	10,365	10,219	10,386	8,700	+19.1
Transportation equipment	7,924	7,921	7,913	0.0	+0.1	-0.2	8,078	7,984	8,043	8,023	+0.7
Instruments and related products	5,970	6,035	6,051	-1.1	-0.3	+1.5	6,004	6,032	6,073	6,185	-2.9
Lumber, furniture and miscellaneous durable goods	9,371	9,326	9,402	+0.5	-0.8	+1.0	8,929	9,006	9,318	8,475	+5.4
Nondurable goods industries	66,458	66,241	67,051	+0.3	-1.2	-0.4	66,693	66,524	68,115	67,136	-0.7
Food and kindred products	16,624	16,608	16,738	+0.1	-0.8	-0.3	17,629	17,535	17,559	16,974	+3.9
Tobacco products	687	708	647	-3.0	+9.4	-8.0	780	718	671	1,150	-32.2
Textile mill products	4,319	4,281	4,286	+0.9	-0.1	-0.2	4,191	4,155	4,335	3,995	+4.9
Paper and allied products	5,459	5,537	5,618	-1.4	-1.4	-0.7	5,259	5,340	5,576	5,417	-2.9
Chemicals and allied products	17,196	17,181	17,350	+0.1	-1.0	-0.7	16,921	16,803	17,139	17,332	-2.4
Petroleum and coal products	5,078	5,038	5,251	+0.8	-4.1	-0.5	5,258	5,170	5,361	5,371	-2.1
Rubber and plastics products	6,175	6,083	6,123	+1.5	-0.7	+0.1	5,945	5,883	6,020	5,825	+2.1
Apparel, printing and publishing and leather goods	10,920	10,805	11,038	+1.1	-2.1	+0.3	10,710	10,920	11,454	11,072	-3.3

[p] Preliminary. [r] Revised.

See note at end of table 2 relating to survey variability.

Table 8. RATIOS OF MANUFACTURES' INVENTORIES TO SHIPMENTS AND UNFILLED ORDERS TO SHIPMENTS, BY INDUSTRY GROUP
(Based on seasonally adjusted data)

Industry	Inventory / Shipments ratio				Unfilled Orders / Shipments ratio[1]			
	Oct. 1994[p]	Sept. 1994[r]	Aug. 1994	July 1994	Oct. 1994[p]	Sept. 1994[r]	Aug. 1994	July 1994
All manufacturing industries	1.37	1.35	1.34	1.40	2.93	2.90	2.89	2.99
urable goods industries	1.61	1.58	1.57	1.66	3.51	3.48	3.47	3.60
Stone, clay, and glass products	1.12	1.12	1.10	1.11	1.19	1.17	1.15	1.16
Primary metals	1.49	1.48	1.48	1.55	2.08	2.01	1.94	2.00
Fabricated metal products	1.56	1.54	1.52	1.57	1.45	1.45	1.44	1.49
Industrial machinery and equipment	1.72	1.72	1.74	1.79	2.46	2.42	2.39	2.42
Electronic and other electrical equipment	1.67	1.65	1.64	1.63	1.94	1.95	1.96	2.02
Transportation equipment	1.59	1.50	1.48	1.75	11.17	10.81	10.62	11.53
Instruments and related products	1.98	1.97	1.95	2.02	4.40	4.31	4.32	4.51
ondurable goods industries	1.09	1.08	1.08	1.11	0.76	0.74	0.73	0.75
Food and kindred products	0.87	0.87	0.86	0.88	(X)	(X)	(X)	(X)
Tobacco products	1.99	2.26	2.07	2.11	(X)	(X)	(X)	(X)
Textile mill products	1.55	1.53	1.54	1.56	(NA)	(NA)	(NA)	(NA)
Paper and allied products	1.12	1.14	1.16	1.19	(NA)	(NA)	(NA)	(NA)
Chemicals and allied products	1.16	1.15	1.17	1.22	(X)	(X)	(X)	(X)
Petroleum and coal products	0.88	0.86	0.83	0.86	(X)	(X)	(X)	(X)
Rubber and plastics products	1.32	1.31	1.31	1.36	(X)	(X)	(X)	(X)

[p] Preliminary. [r] Revised. (X) Not applicable. (NA) Not available.

[1] Excludes the following industries with no unfilled orders : Wood and lumber products; glass containers; metal cans, barrels and drums; farm and garden machinery; notor vehicle assembly operations; other transportation equipment; foods and related products; tobacco; knitting mill products; apparel and related products; chemicals; etroleum and coal products; and rubber and plastics products.

Table 9. REVISIONS TO PREVIOUSLY PUBLISHED MONTHLY PERCENT CHANGES
(Based on seasonally adjusted data)

Industry	Shipments			New orders			Unfilled orders			Inventories		
	Oct.[1] 1994	Oct.[2] 1989-1993	Oct. 1993-Sept. 1994	Oct.[1] 1994	Oct.[2] 1989-1993	Oct. 1993-Sept. 1994	Oct.[1] 1994	Oct.[2] 1989-1993	Oct. 1993-Sept. 1994	Oct.[1] 1994	Oct.[2] 1989-1993	Oct. 1993-Sept. 1994
All manufacturing industries	(X)	0.1	0.2	(X)	0.1	0.2	(X)	0.0	0.1	(X)	0.0	0.0
urable goods industries	0.1	0.2	0.2	0.5	0.1	0.2	0.2	0.1	0.1	(X)	0.0	0.1
Stone, clay, and glass products	(X)	0.7	0.7	(X)	1.6	1.4	(X)	0.8	0.7	(X)	0.3	0.2
Primary metals	0.0	0.3	0.4	0.7	0.5	0.7	0.5	0.1	0.4	(X)	0.1	0.2
Fabricated metal products	(X)	0.2	0.5	(X)	0.6	0.6	(X)	0.3	0.3	(X)	0.1	0.3
Industrial machinery and equipment	0.0	0.5	0.5	0.7	0.6	0.8	0.4	0.1	0.2	(X)	0.1	0.1
Electronic and other electrical equipment	-0.1	0.2	0.2	0.0	0.4	0.5	0.1	0.1	0.2	(X)	0.1	0.1
Transportation equipment	0.3	0.3	0.6	0.6	0.4	0.9	0.1	0.0	0.1	(X)	0.1	0.2
Instruments and related products	(X)	0.2	0.4	(X)	0.7	2.0	(X)	0.1	0.4	(X)	0.3	0.3
ondurable goods industries	(X)	0.1	0.2	(X)	0.1	0.2	(X)	0.3	0.4	(X)	0.1	0.1
Food and kindred products	(X)	0.2	0.2	(X)	(X)	(X)	(X)	(X)	(X)	(X)	0.2	0.1
Tobacco products	(X)	0.3	0.2	(X)	(X)	(X)	(X)	(X)	(X)	(X)	0.0	0.0
Textile mill products	(X)	0.4	0.4	(X)	(NA)	(NA)	(X)	(NA)	(NA)	(X)	0.2	0.2
Paper and allied products	(X)	0.2	0.2	(X)	(NA)	(NA)	(X)	(NA)	(NA)	(X)	0.2	0.1
Chemicals and allied products	(X)	0.2	0.2	(X)	(X)	(X)	(X)	(X)	(X)	(X)	0.1	0.1
Petroleum and coal products	(X)	0.4	0.4	(X)	(X)	(X)	(X)	(X)	(X)	(X)	0.2	0.3
Rubber and plastics products	(X)	0.4	0.2	(X)	(X)	(X)	(X)	(X)	(X)	(X)	0.1	0.1
apital goods industries :												
Nondefense	0.1	0.4	0.5	0.6	0.3	0.5	0.2	0.0	0.1	(X)	0.1	0.1
Defense	-0.5	0.3	0.5	3.3	1.3	5.4	0.3	0.1	0.3	(X)	0.1	0.3

(X) Not applicable. (NA) Not available.

Note : The five year and the twelve month revisions are the differences between the month-to-month percent changes of the preliminary and final estimates. The monthly averages are the simple averages of the absolute values of the differences for the months specified. The advance to final percent change revisions for the durable goods industries are shown in the advance report for the month.

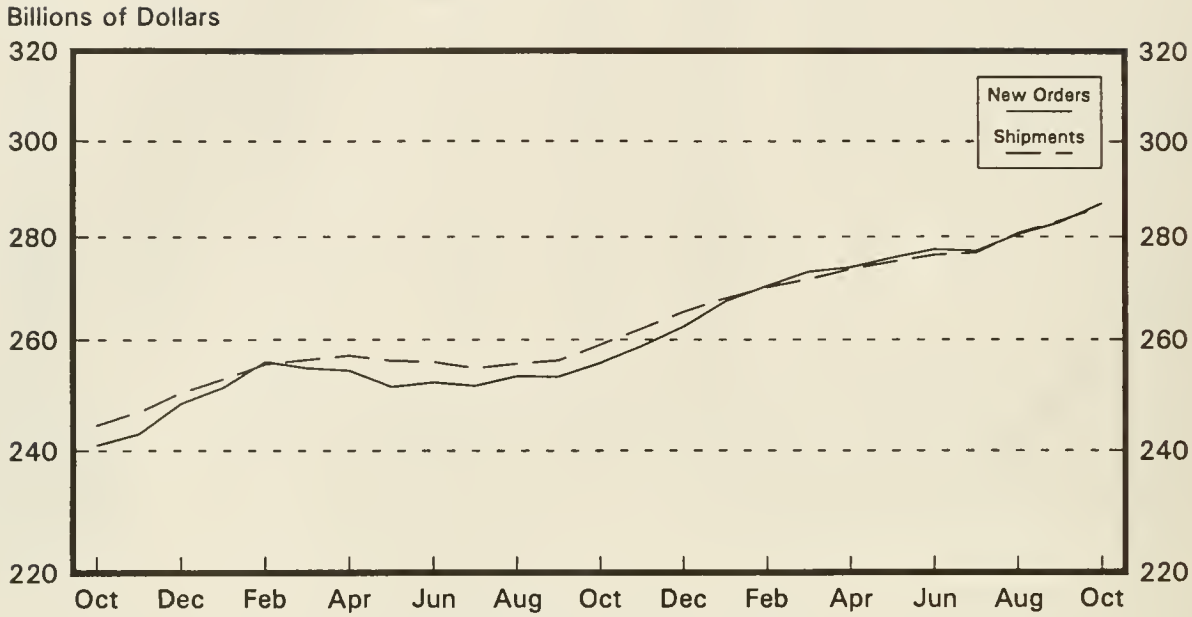
[1] The current month revisions are the difference between the advance percent change and the percent change as shown in this publication.

[2] Average for this month for the last five years.

See note at end of table 2 relating to survey variability.

Total Manufacturing

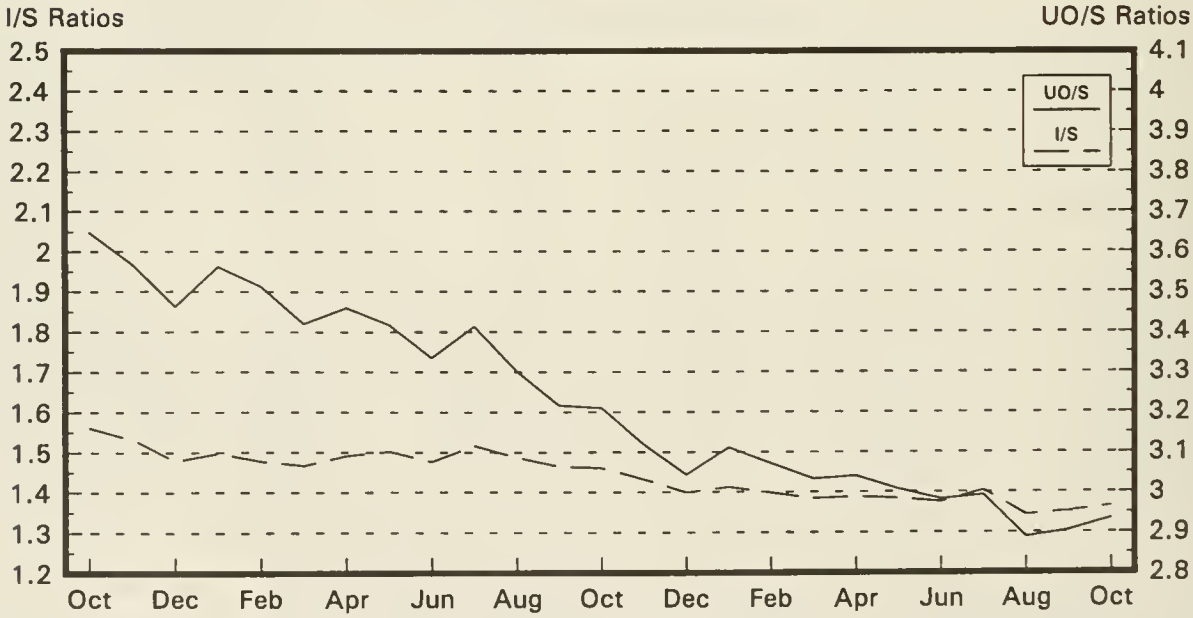
New Orders and Shipments
Three Month Moving Averages



Oct. 1992 - Oct. 1994

Total Manufacturing

Ratio of Unfilled Orders and
Inventories to Shipments

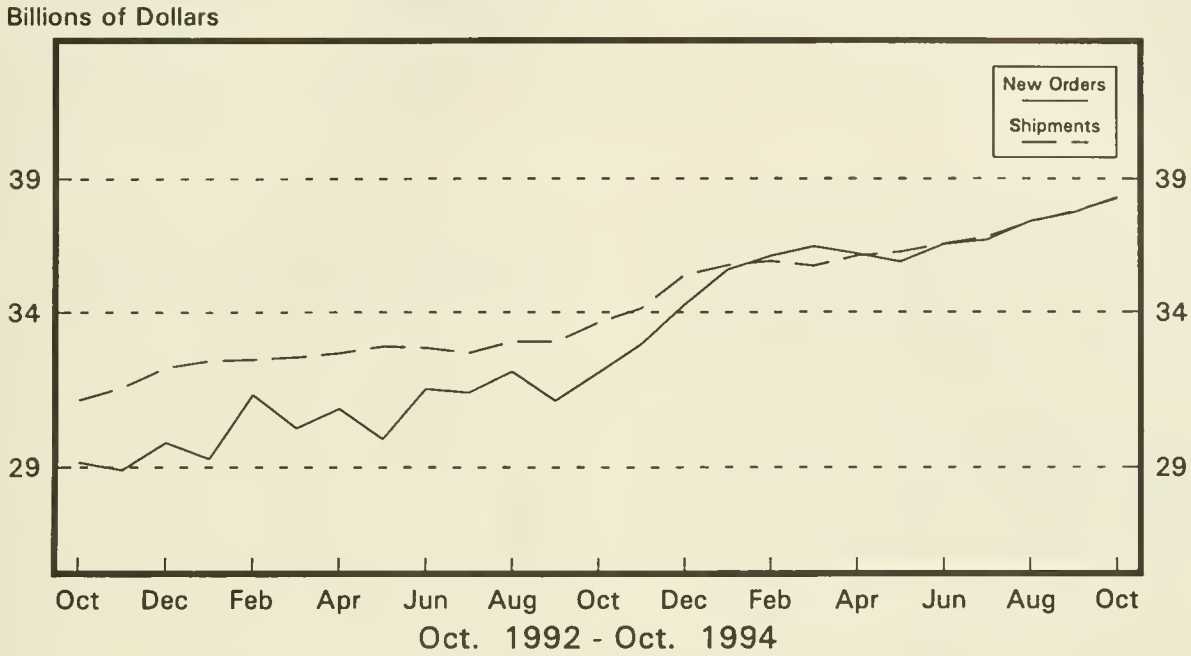


Oct. 1992 - Oct. 1994

Note: All Charts based on seasonally adjusted current dollars.

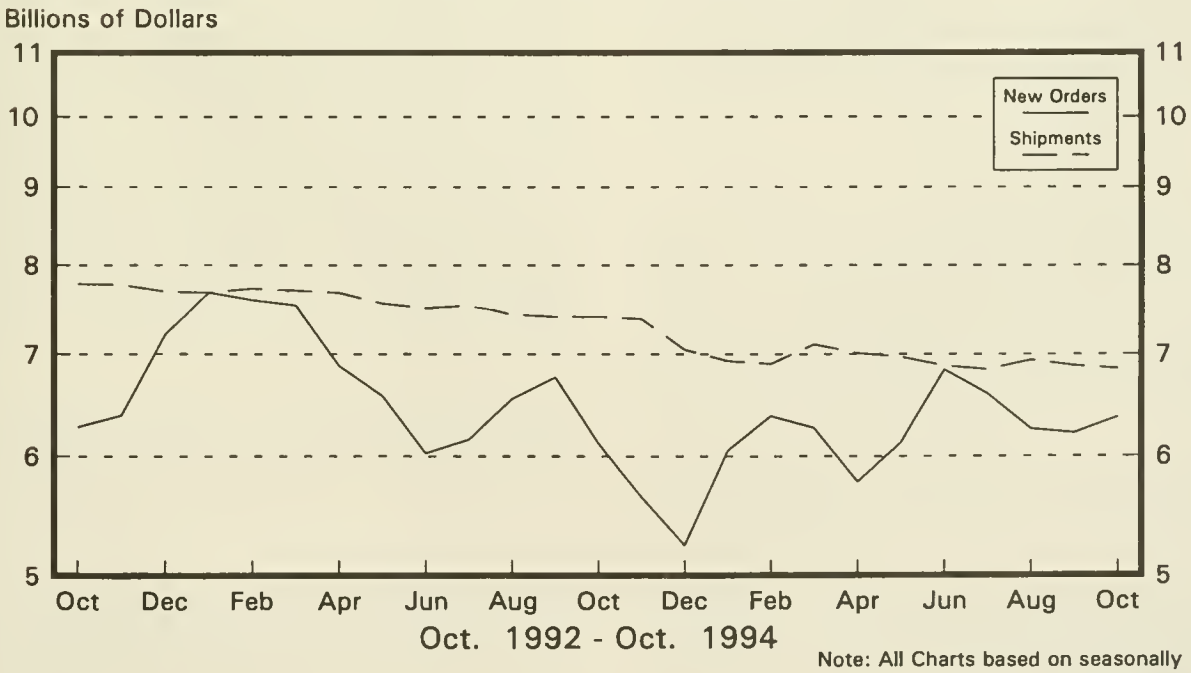
Nondefense Capital Goods

New Orders and Shipments
Three Month Moving Averages



Defense Capital Goods

New Orders and Shipments
Three Month Moving Averages



Note: All Charts based on seasonally adjusted current dollars.

U.S. Department of Commerce
BUREAU OF THE CENSUS
Washington, D.C. 20233

Official Business

Penalty for Private Use, $300

U.S.MA

POSTAGE AND FE
U S DEPARTMENT OF COM

COM

First Class Mai

SUPERINTENDENT OF DOCUMENTS DEPOSITORY
MAR 9 1995
BOSTON PUBLIC LIBRARY GOVERNMENT DOCUMENTS DEPARTMENT

Manufacturers' Shipments, Inventories, and Orders

November 1994

M3-1-(94)-11

For Wire Transmissions 10:00 a.m. E.S.T. January 5, 1995

U. S. Department of Commerce
Economics and Statistics Administration
BUREAU OF THE CENSUS

Kathy Menth or Gloria Cable
(301)457-4804 or (301)457-4832

Note: All figures in text are in seasonally adjusted current dollars

C 3.158:M 3-1-(94)-11

Summary

New orders for manufactured goods in November increased $7.4 billion or 2.6 percent to $293.4 billion, the Department of Commerce, Bureau of the Census reported today. This follows a 0.4 percent decrease in October, is the eighth increase this year and the thirteenth in the last sixteen months. Year-to-date new orders are 10.0 percent above the same period a year ago.

Shipments increased $6.4 billion or 2.3 percent to $290.4 billion, following a 0.8 percent decrease in October. This is the first increase since August, the sixth this year and the eleventh in the last sixteen months. Year-to-date shipments are 8.4 percent above the same period a year ago.

Unfilled orders increased $3.0 billion or 0.7 percent to $453.9 billion, following a 0.4 percent increase in October. This is the third consecutive monthly increase and the eighth this year. The unfilled orders-to-shipments ratio decreased to 2.90 from 2.94 in October.

Inventories increased $1.9 billion or 0.5 percent to $390.0 billion, following a 0.4 percent increase in October. This is the ninth increase this year. The inventories-to-shipments ratio decreased to 1.34 from 1.37 in October.

New Orders

New orders for manufactured durable goods in November increased $5.2 billion or 3.4 percent to $159.4 billion, unrevised from the previously published 3.4 percent increase. This follows a 0.8 percent decrease in October and is the eighth increase this year.

Transportation equipment had the largest increase, $4.5 billion or 12.7 percent to $39.7 billion, with increases in aircraft and aircraft parts, and motor vehicles and parts. This follows an October decrease of 9.4 percent. Electronic and other electrical equipment increased $0.6 billion or 2.6 percent to $24.6 billion, the fourth consecutive increase and the eighth this year. Fabricated metal products increased $0.6 billion or 3.7 percent to $15.7 billion, the fourth increase in the last five months. Stone, clay, and glass products increased $0.3 billion or 4.6 percent to $7.1 billion, the second consecutive increase. Instruments and related products had the largest decline, $0.5 billion or 4.7 percent to $10.7 billion, following a 6.2 percent increase in October. Primary metals declined $0.2 billion or 1.1 percent to $14.5 billion, the first decline since July.

New orders for nondurable goods were $134.1 billion, up $2.2 billion or 1.7 percent from October. Except for apparel and tobacco products, all industries increased, with the largest increases in food and kindred products, chemicals and allied products, petroleum and coal products, and printing and publishing.

Shipments

Shipments of durable goods in November increased $4.2 billion or 2.7 percent to $156.8 billion, with increases in all major industries. This follows declines of 1.1 percent in October and 0.8 percent in September and is the sixth increase this year. The November percent change is revised from the previously published 2.8 percent increase.

Transportation equipment had the largest increase, $2.2 billion or 5.9 percent to $39.5 billion, with increases in all categories except shipbuilding and tanks. This follows a 5.5 percent decrease in October. Electronic and other electrical equipment increased $0.6 billion or 2.7 percent to $24.3 billion, the thirteenth consecutive monthly increase. Primary metals increased $0.4 billion or 2.9 percent to $14.0 billion, the tenth consecutive monthly increase. Fabricated metal products increased $0.4 billion or 2.8 percent to $15.6 billion, following a 0.9 percent decline in October.

Shipments of nondurable goods increased $2.2 billion or 1.7 percent to $133.6 billion. This follows two consecutive declines and is the eleventh increase in the last thirteen months. The largest increases were in printing and publishing, food and kindred products, chemicals and allied products, and petroleum and coal products; the largest decreases were in apparel and related products and tobacco products.

Unfilled Orders

Unfilled orders for durable goods in November increased $2.6 billion or 0.6 percent to $428.9 billion, the third consecutive monthly increase. The November percent change is unrevised from the previously published 0.6 percent increase. Industrial machinery and equipment, up for the seventeenth consecutive month, increased $1.7 billion or 2.6 percent to $68.0 billion; increases within the industry group were widespread. Primary metals increased $0.5 billion or 1.7 percent to $28.5 billion, the twelfth consecutive monthly increase. Electronic and other electrical equipment increased $0.4 billion or 0.8 percent to $46.2 billion, the third consecutive monthly increase. Stone, clay, and glass products increased $0.2 billion or 3.2 percent to $7.7 billion, the third consecutive increase. The largest decline was in instruments and related products, $0.4 billion or 0.9 percent to $47.8 billion. This follows a 0.5 percent increase in October and is the third decline in the last four months.

Inventories

Inventories for durable goods in November increased $1.6 billion or 0.6 percent to $246.5 billion. Except for the 0.1 percent decrease in September, inventories have increased every month since March of this year. Electronic and other electrical equipment, up for the eleventh consecutive month and twenty-third of the last twenty-five, had the largest increase, $0.6 billion or 1.6 percent to $39.7 billion. Industrial machinery and equipment increased $0.5 billion or 1.0 percent to $49.8 billion, the nineteenth increase in the last twenty months. Primary metals increased $0.2 billion or 1.2 percent to $20.4 billion. The only decline was in transportation equipment, $0.2 billion or 0.3 percent to $58.9 billion.

Nondurable goods inventories increased $0.4 billion or 0.3 percent to $143.5 billion, following a 0.3 percent October increase. Widespread increases were only partially offset by a decline in food and kindred products.

By stage of fabrication, finished goods increased 0.9 percent in durables and 0.2 percent in nondurables. Work in process decreased 0.1 percent in durables and increased 1.3 percent in nondurables. Materials and supplies increased 1.4 percent in durables and declined 0.1 percent in nondurables.

(SEE BACK PAGE FOR 1995 RELEASE DATES)

The advance report on durable goods for December is scheduled for January 26, 1995 at 8:30 a.m. and the full report on February 3, 1995 at 10:00 a.m. For sale by the Superintendent of Documents, U.S. Government Printing Office, Washington, DC 20402. This report is also available the day of issue through the Department of Commerce's online Economic Bulletin Board (N-8-1) (202-482-3870)and through the Census Bureau's online information service--CENDATA. CENDATA is available from Dialog Information Services, Inc. (1-800-334-2564)

Table 1. VALUE OF MANUFACTURERS' SHIPMENTS FOR INDUSTRY GROUPS
(Millions of dollars)

Industry	Seasonally adjusted						Not seasonally adjusted[1]						
	Monthly			Percent Change			Monthly				Percent change	Year to date	
	Nov. 1994[p]	Oct. 1994[r]	Sept. 1994	Oct.-Nov.	Sept.-Oct.	Aug.-Sept.	Nov. 1994[p]	Oct. 1994[r]	Sept. 1994	Nov. 1993	Nov. 94/93	1994[p]	1993
All manufacturing industries	290,379	283,975	286,134	+2.3	-0.8	-0.7	292,019	294,142	304,359	266,399	+9.6	3,079,393	2,839,272
Manufacturing Industries													
with unfilled orders	156,675	153,451	154,585	+2.1	-0.7	-0.3	158,734	158,178	166,360	144,136	+10.1	1,653,918	1,509,937
without defense capital goods	283,629	277,207	279,451	+2.3	-0.8	-0.5	284,929	287,484	297,166	258,978	+10.0	3,005,160	2,759,201
Durable goods industries	156,763	152,586	154,350	+2.7	-1.1	-0.8	157,695	157,557	164,273	142,733	+10.5	1,653,575	1,486,844
With unfilled orders	123,496	121,137	121,902	+1.9	-0.6	-0.2	124,585	123,817	131,620	113,498	+9.8	1,304,275	1,183,685
Stone, clay, and glass products	6,882	6,656	6,699	+3.4	-0.6	-1.4	6,921	7,265	7,466	6,247	+10.8	74,075	65,130
Primary metals	13,982	13,590	13,393	+2.9	+1.5	+0.3	13,915	14,066	13,935	11,639	+19.6	142,542	127,185
Blast furnaces, steel mills	6,051	5,961	5,938	+1.5	+0.4	-0.4	5,930	6,121	6,069	5,283	+12.2	63,515	58,136
Iron and steel foundries	1,270	1,222	1,246	+3.9	-1.9	-0.2	1,284	1,347	1,312	1,120	+14.6	13,368	11,620
Nonferrous and other primary metals	6,661	6,407	6,209	+4.0	+3.2	+1.0	6,701	6,598	6,554	5,236	+28.0	65,659	57,429
Fabricated metal products	15,613	15,195	15,327	+2.8	-0.9	-2.2	15,532	16,091	16,181	14,513	+7.0	167,639	156,368
Industrial machinery and equipment	28,605	28,592	28,448	0.0	+0.5	+0.1	27,930	27,736	30,703	24,970	+11.9	297,785	258,691
Engines and turbines	1,920	1,893	1,933	+1.4	-2.1	-0.9	1,881	1,712	2,202	1,650	+14.0	19,479	16,324
Farm and garden machinery	1,885	1,899	1,834	-0.7	+3.5	-7.7	1,553	1,847	1,589	1,279	+21.4	19,893	16,377
Construction, mining and material handling equipment	2,921	2,823	2,814	+3.5	+0.3	-1.1	2,816	2,887	2,843	2,448	+15.0	30,188	27,221
Metalworking machinery	3,198	3,189	3,203	+0.3	-0.4	+3.4	3,457	3,376	3,529	2,960	+16.8	32,052	28,091
Computer and office equipment	7,900	7,799	7,703	+1.3	+1.2	+4.6	7,845	6,743	9,492	6,793	+15.5	78,427	67,399
Electronic and other electrical equipment	24,252	23,611	23,341	+2.7	+1.2	+0.9	25,179	23,951	25,691	21,213	+18.7	247,708	210,868
Electrical transmission and distribution equipment and industrial apparatus	2,665	2,614	2,613	+2.0	0.0	-1.5	2,574	2,544	2,898	2,411	+6.8	28,703	26,336
Household appliances	1,894	1,869	1,895	+1.3	-1.4	-1.8	1,849	1,856	2,010	1,694	+9.1	20,685	18,307
Electric lighting and wiring equipment	1,872	1,876	1,877	-0.2	-0.1	-0.1	1,990	1,896	2,009	1,801	+10.5	19,767	18,319
Household audio and video equipment	1,082	1,109	1,047	-2.4	+5.9	-2.5	1,375	1,504	1,299	1,205	+14.1	11,531	10,356
Communications equipment	5,740	5,421	5,316	+5.9	+2.0	+4.1	5,855	5,121	6,028	4,321	+35.5	54,031	41,660
Electronic components	8,625	8,437	8,413	+2.2	+0.3	+0.9	8,694	8,431	8,976	7,163	+21.4	88,231	73,77
Transportation equipment	39,489	37,303	39,485	+5.9	-5.5	-2.8	40,034	39,792	40,393	37,118	+7.9	424,319	387,71
Motor vehicles and parts	28,068	26,413	28,324	+6.3	-6.7	-3.2	28,728	29,090	28,534	26,016	+10.4	302,866	259,421
Aircraft, missiles, space vehicles, and parts	8,584	8,135	8,362	+5.5	-2.7	-3.2	8,615	7,840	8,948	8,400	+2.6	91,425	101,288
Shipbuilding and tanks	828	840	940	-1.4	-10.6	+0.9	798	846	982	1,031	-22.6	10,542	10,690
Instruments and related products	11,103	10,932	11,151	+1.6	-2.0	-0.9	11,347	10,879	12,222	11,319	+0.2	120,014	117,058
Search and navigation equipment	2,335	2,428	2,535	-3.8	-4.2	-0.7	2,531	2,326	2,814	2,964	-14.6	26,907	29,131
Measuring and controlling devices	3,346	3,133	3,305	+6.8	-5.2	-0.3	3,309	3,139	3,587	2,997	+10.4	35,091	31,908
Medical instruments and supplies	3,068	3,020	2,984	+1.6	+1.2	-2.1	3,053	2,940	3,214	3,015	+1.3	32,697	32,065
Photographic goods	1,995	1,968	1,931	+1.4	+1.9	-1.7	2,109	2,091	2,167	1,995	+5.7	21,241	20,220
All other durable goods	16,837	16,707	16,506	+0.8	+1.2	+0.8	16,837	17,777	17,682	15,714	+7.1	179,493	163,830
Nondurable goods industries	133,616	131,389	131,784	+1.7	-0.3	-0.5	134,324	136,585	140,086	123,666	+8.6	1,425,818	1,352,428
With unfilled orders	33,179	32,314	32,683	+2.7	-1.1	-0.5	34,149	34,361	34,740	30,638	+11.5	349,643	326,252
Food and kindred products	36,494	35,909	35,810	+1.6	+0.3	-0.1	36,858	37,253	38,219	35,276	+4.5	392,159	378,897
Meat products	8,121	8,153	8,145	-0.4	+0.1	+1.1	7,959	8,486	8,522	7,801	+2.0	88,762	87,51
Dairy products	4,745	4,669	4,641	+1.6	+0.6	+0.9	4,830	4,631	4,815	4,618	+4.6	51,151	49,568
Beverages	5,327	5,294	5,182	+0.6	+2.2	-2.1	5,087	5,132	5,305	4,805	+5.9	57,658	54,29
All other foods, except fats and oils	16,224	16,016	16,015	+1.3	0.0	-0.2	16,905	17,227	17,750	16,114	+4.9	174,436	168,44
Tobacco products	2,682	2,801	2,529	-4.2	+10.8	-8.6	2,779	2,679	2,784	2,517	+10.4	29,675	28,24
Textile mill products	6,223	6,233	6,302	-0.2	-1.1	+0.7	6,337	6,640	6,959	6,007	+5.5	68,364	64,86
Broadwoven fabrics and other textiles	3,917	3,892	3,890	+0.6	+0.1	+0.6	3,886	4,004	4,278	3,599	+8.0	42,265	39,98
Paper and allied products	12,314	12,085	11,843	+1.9	+2.0	+0.9	12,267	12,369	12,283	10,642	+15.3	125,881	119,05
Pulp, paper, and paperboard mill products	5,029	4,906	4,776	+2.5	+2.7	+1.7	5,104	4,937	4,862	4,348	+17.4	50,037	47,94
Paperboard containers and boxes	3,247	3,191	3,120	+1.8	+2.3	+0.5	3,218	3,352	3,214	2,633	+22.2	32,940	29,34
Miscellaneous converted paper products	4,038	3,988	3,947	+1.3	+1.0	+0.2	3,945	4,080	4,207	3,661	+7.8	42,904	41,77
Chemicals and allied products	29,786	29,275	29,475	+1.7	-0.7	+1.4	28,638	28,594	30,783	25,589	+11.9	312,380	288,38
Industrial chemicals	15,996	15,646	15,726	+2.2	-0.5	+2.3	15,660	15,579	16,090	13,283	+17.9	164,342	148,58
Drugs, soaps, and toiletries	10,402	10,279	10,304	+1.2	-0.2	-0.4	10,194	10,211	11,720	9,840	+3.6	111,549	106,87
Petroleum and coal products	12,160	11,713	11,971	+3.8	-2.2	-6.1	12,605	12,509	12,711	11,732	+7.4	131,964	136,81
Rubber and plastics products	9,925	9,723	9,639	+2.1	+0.9	-0.5	9,531	10,074	10,013	8,517	+11.9	104,721	96,07
All other nondurable goods	24,032	23,650	24,215	+1.6	-2.3	-0.6	25,309	26,467	26,334	23,386	+8.2	260,674	240,09

[p] Preliminary. [r] Revised

[1] Shipments and new orders are the totals for the period and are adjusted for trading-day and calendar-month variations.

See note at end of table 2 relating to survey variability.

Table 2. VALUE OF MANUFACTURERS' NEW ORDERS FOR INDUSTRY GROUPS
(Millions of dollars)

Industry	Seasonally adjusted						Not seasonally adjusted[1]						
	Monthly			Percent Change			Monthly				Percent change	Year to date	
	Nov. 1994[p]	Oct. 1994[r]	Sept. 1994	Oct.-Nov.	Sept.-Oct.	Aug.-Sept.	Nov. 1994[p]	Oct. 1994[r]	Sept. 1994	Nov. 1993	Nov. 94/93	1994[p]	1993
All manufacturing industries	293,425	285,985	287,248	+2.6	-0.4	0.0	293,533	295,062	302,249	262,656	+11.8	3,089,383	2,808,053
Manufacturing industries													
with unfilled orders	159,721	155,461	155,699	+2.7	-0.2	+1.0	160,248	159,098	164,250	140,393	+14.1	1,663,908	1,478,718
without defense capital goods	287,986	280,174	280,309	+2.8	0.0	-0.3	287,806	288,471	295,003	256,608	+12.2	3,023,675	2,740,484
Durable goods industries	159,356	154,150	155,433	+3.4	-0.8	+0.5	159,460	158,839	162,557	139,437	+14.4	1,660,282	1,457,175
With unfilled orders	126,089	122,701	122,985	+2.8	-0.2	+1.5	126,350	125,099	129,904	110,202	+14.7	1,310,982	1,154,016
Stone, clay, and glass products	7,124	6,812	6,702	+4.6	+1.6	-1.2	6,971	7,103	7,252	5,954	+17.1	74,693	65,674
Primary metals	14,468	14,635	14,398	-1.1	+1.6	+5.1	14,105	14,463	14,028	11,554	+22.1	147,491	127,540
Blast furnaces, steel mills	6,121	6,156	6,221	-0.6	-1.0	+3.1	5,872	5,950	6,037	5,217	+12.6	64,434	59,381
Iron and steel foundries	1,267	1,229	1,277	+3.1	-3.8	+12.0	1,259	1,390	1,265	1,146	+9.9	13,775	11,865
Nonferrous and other primary metals	7,080	7,250	6,900	-2.3	+5.1	+5.8	6,974	7,123	6,726	5,191	+34.3	69,282	56,294
Fabricated metal products	15,663	15,100	15,052	+3.7	+0.3	-4.3	15,308	15,739	15,849	13,742	+11.4	167,647	153,441
Industrial machinery and equipment	30,309	30,415	29,842	-0.3	+1.9	-0.1	30,079	30,041	31,656	26,187	+14.9	313,114	261,112
Engines and turbines	2,078	2,089	1,906	-0.5	+9.6	-24.8	2,113	2,140	2,196	1,570	+34.6	20,747	16,595
Construction, mining and material handling equipment	3,073	2,978	3,010	+3.2	-1.1	+5.1	2,956	3,112	3,007	2,477	+19.3	31,420	27,350
Metalworking machinery	3,376	3,108	3,337	+8.6	-6.9	+2.2	3,635	3,295	3,663	3,076	+18.2	34,306	27,702
Computer and office equipment	8,009	8,604	8,289	-6.9	+3.8	+7.0	8,132	7,728	9,915	7,624	+6.7	83,242	68,122
Electronic and other electrical equipment	24,609	23,974	23,403	+2.6	+2.4	+4.3	25,617	24,343	25,176	20,737	+23.5	249,050	214,077
Electrical transmission and distribution equipment and industrial apparatus	2,516	2,786	2,517	-9.7	+10.7	-2.5	2,459	2,715	2,767	2,414	+1.9	28,830	26,641
Electric lighting and wiring equipment	1,851	1,993	1,931	-7.1	+3.2	+3.0	1,969	2,013	2,063	1,912	+3.0	20,188	18,609
Communications equipment	5,784	5,044	5,832	+14.7	-13.5	+23.9	5,891	4,814	6,554	4,350	+35.4	53,242	43,371
Electronic components	8,988	8,835	8,042	+1.7	+9.9	-0.1	9,129	8,731	8,100	6,379	+43.1	89,209	73,574
Transportation equipment	39,696	35,231	38,887	+12.7	-9.4	+0.2	40,315	38,179	39,264	35,253	+14.4	411,728	357,612
Aircraft, missiles, space vehicles, and parts.	9,369	5,970	7,145	+56.9	-16.4	-0.3	9,513	6,193	7,355	7,392	+28.7	79,764	71,367
Shipbuilding and tanks	465	528	1,423	-11.9	-62.9	+239.6	429	537	1,449	212	+102.4	7,239	9,370
Instruments and related products	10,654	11,183	10,531	-4.7	+6.2	-3.0	10,697	11,402	11,779	10,649	+0.5	116,309	113,196
Search and navigation equipment	1,955	2,372	2,400	-17.6	-1.2	+0.6	1,994	2,572	2,842	2,237	-10.9	23,897	26,221
Measuring and controlling devices	3,412	3,301	3,087	+3.4	+6.9	-4.2	3,375	3,307	3,369	3,160	+6.8	35,413	31,602
Medical instruments and supplies	2,994	3,069	2,700	-2.4	+13.7	-7.6	2,979	2,989	2,930	2,889	+3.1	31,723	31,416
All other durable goods	16,833	16,800	16,618	+0.2	+1.1	+0.8	16,368	17,569	17,553	15,361	+6.6	180,250	164,523
Nondurable goods industries	134,069	131,835	131,815	+1.7	0.0	-0.6	134,073	136,223	139,692	123,219	+8.8	1,429,101	1,350,878
With unfilled orders	33,632	32,760	32,714	+2.7	+0.1	-0.7	33,898	33,999	34,346	30,191	+12.3	352,926	324,702

[p] Preliminary. [r] Revised.

[1] Shipments and new orders are the totals for the period and are adjusted for trading-day and calendar-month variations.

(n) When new orders for a prior month are negative because of cancellations, the percentage change calculation is algebraically negative, even though there is a net dollar increase from the prior month to the current month.

Note : Estimates of manufacturers' shipments, inventories and orders are subject to survey variability and revision. Since the survey panel is not a probability sample, estimates of sampling variability cannot be calculated. Further details on survey design, methodology, and data limitation are contained in our most recent annual benchmark publication, Current Industrial Reports: M3-1(92), "Manufacturers' Shipments, Inventories, and Orders: 1982-1992."

Table 3. VALUE OF MANUFACTURERS' UNFILLED ORDERS FOR INDUSTRY GROUPS
(Millions of dollars)

Industry	Seasonally adjusted						Not seasonally adjusted				
	Monthly			Percent Change			Monthly				Percent change
	Nov. 1994[p]	Oct. 1994[r]	Sept. 1994	Oct.-Nov.	Sept.-Oct.	Aug.-Sept.	Nov. 1994[p]	Oct 1994[r]	Sept. 1994	Nov. 1993	Nov. 94/93
All manufacturing industries	453,899	450,853	448,843	+0.7	+0.4	+0.2	448,348	446,834	445,914	440,967	+1.7
Manufacturing industries without defense capital goods	344,387	340,030	337,063	+1.3	+0.9	+0.3	339,735	336,858	335,871	323,689	+5.0
Durable goods industries	428,859	426,266	424,702	+0.6	+0.4	+0.3	424,334	422,569	421,287	420,456	+0.9
Stone, clay, and glass products	7,723	7,481	7,325	+3.2	+2.1	0.0	7,437	7,387	7,549	6,936	+7.2
Primary metals	28,479	27,993	26,948	+1.7	+3.9	+3.9	26,497	26,307	25,910	21,031	+26.0
Blast furnaces, steel mills	11,518	11,448	11,253	+0.6	+1.7	+2.6	10,631	10,689	10,860	9,667	+10.0
Iron and steel foundries	3,495	3,498	3,491	-0.1	+0.2	+0.9	3,450	3,475	3,432	3,075	+12.2
Nonferrous and other primary metals	13,466	13,047	12,204	+3.2	+6.9	+6.0	12,416	12,143	11,618	8,289	+49.8
Fabricated metal products	20,512	20,462	20,557	+0.2	-0.5	-1.3	20,054	20,278	20,630	19,834	+1.1
Industrial machinery and equipment	67,994	66,290	64,467	+2.6	+2.8	+2.2	68,307	66,158	63,853	52,540	+30.0
Engines and turbines	10,960	10,802	10,606	+1.5	+1.8	-0.3	11,407	11,175	10,747	10,327	+10.5
Construction, mining and material handling equipment	7,137	6,985	6,830	+2.2	+2.3	+3.0	7,023	6,883	6,658	5,728	+22.6
Metalworking machinery	9,589	9,411	9,492	+1.9	-0.9	+1.4	9,589	9,411	9,492	6,944	+38.1
Computer and office equipment	11,580	11,471	10,666	+1.0	+7.5	+5.8	12,066	11,779	10,794	7,844	+53.8
Electronic and other electrical equipment	46,191	45,834	45,471	+0.8	+0.8	+0.1	45,780	45,342	44,950	45,296	+1.1
Electrical transmission and distribution equipment and industrial apparatus	5,880	6,029	5,857	-2.5	+2.9	-1.6	5,897	6,012	5,841	5,857	+0.7
Electric lighting and wiring equipment	3,658	3,679	3,562	-0.6	+3.3	+1.5	3,658	3,679	3,562	3,270	+11.9
Communications equipment	14,197	14,153	14,530	+0.3	-2.6	+3.7	14,243	14,207	14,514	15,133	-5.9
Electronic components	16,614	16,251	15,853	+2.2	+2.5	-2.3	16,082	15,647	15,347	15,484	+3.9
Transportation equipment	201,916	201,709	203,781	+0.1	-1.0	-0.3	200,885	200,604	202,217	215,744	-6.9
Aircraft, missiles, space vehicles, and parts	173,200	172,415	174,580	+0.5	-1.2	-0.7	172,364	171,466	173,113	187,255	-8.0
Shipbuilding and tanks	15,984	16,347	16,659	-2.2	-1.9	+3.0	15,993	16,362	16,671	19,894	-19.6
Instruments and related products	47,836	48,285	48,034	-0.9	+0.5	-1.3	47,689	48,339	47,816	51,725	-7.8
Search and navigation equipment	31,389	31,769	31,825	-1.2	-0.2	-0.4	31,280	31,817	31,571	34,245	-8.7
Measuring and controlling devices	9,154	9,088	8,920	+0.7	+1.9	-2.4	9,154	9,088	8,920	8,882	+3.1
Medical instruments and supplies	6,482	6,556	6,507	-1.1	+0.8	-4.2	6,482	6,556	6,507	7,774	-16.6
All other durable goods	8,208	8,212	8,119	0.0	+1.1	+1.4	7,685	8,154	8,362	7,350	+4.6
Nondurable goods industries	25,040	24,587	24,141	+1.8	+1.8	+0.1	24,014	24,265	24,627	20,511	+17.1

[p] Preliminary. [r] Revised.

See note at end of table 2 relating to survey variability.

Table 4. VALUE OF MANUFACTURERS' INVENTORIES FOR INDUSTRY GROUPS
(Millions of dollars)

Industry	Seasonally adjusted						Not seasonally adjusted				
	Monthly			Percent Change			Monthly				Percent change
	Nov. 1994[p]	Oct. 1994[r]	Sept. 1994	Oct.-Nov.	Sept.-Oct.	Aug.-Sept.	Nov. 1994[p]	Oct. 1994[r]	Sept. 1994	Nov. 1993	Nov. 94/93
All manufacturing industries	390,008	388,063	386,531	+0.5	+0.4	-0.1	390,461	389,437	386,321	380,579	+2.6
Manufacturing industries											
with unfilled orders	259,289	257,754	256,451	+0.6	+0.5	-0.1	259,076	258,333	256,491	250,784	+3.3
without defense capital goods	366,916	364,692	362,987	+0.6	+0.5	0.0	367,226	365,775	362,721	352,796	+4.1
Durable goods industries	246,508	244,925	243,814	+0.6	+0.5	-0.1	246,977	245,468	243,587	238,373	+3.6
With unfilled orders	225,441	224,038	222,960	+0.6	+0.5	-0.2	225,766	224,862	223,028	218,139	+3.5
Stone, clay, and glass products	7,548	7,531	7,500	+0.2	+0.4	+0.7	7,367	7,307	7,303	7,340	+0.4
Primary metals	20,413	20,176	19,870	+1.2	+1.5	+0.3	20,433	20,264	19,954	19,246	+6.2
Blast furnaces, steel mills	9,724	9,704	9,580	+0.2	+1.3	+0.3	9,841	9,768	9,572	9,578	+2.7
Iron and steel foundries	1,587	1,556	1,536	+2.0	+1.3	-0.1	1,554	1,525	1,517	1,373	+13.2
Nonferrous and other primary metals	9,102	8,916	8,754	+2.1	+1.9	+0.3	9,038	8,971	8,865	8,295	+9.0
Fabricated metal products	23,744	23,679	23,637	+0.3	+0.2	-0.5	23,443	23,408	23,457	22,719	+3.2
Industrial machinery and equipment	49,789	49,273	48,993	+1.0	+0.6	-0.7	50,386	49,801	49,082	46,642	+8.0
Engines and turbines	3,708	3,679	3,780	+0.8	-2.7	+2.1	3,900	3,871	3,867	3,747	+4.1
Farm and garden machinery	2,717	2,649	2,628	+2.6	+0.8	+1.7	2,815	2,600	2,555	2,578	+9.2
Construction, mining and material handling equipment	6,193	6,033	5,931	+2.7	+1.7	+0.9	6,131	5,958	5,887	5,613	+9.2
Metalworking machinery	5,622	5,594	5,595	+0.5	0.0	-1.9	5,650	5,657	5,674	5,243	+7.8
Computer and office equipment	11,482	11,423	11,219	+0.5	+1.8	-6.0	11,769	11,799	11,363	11,136	+5.7
Electronic and other electrical equipment	39,731	39,121	38,447	+1.6	+1.8	+1.6	39,456	39,079	38,286	33,523	+17.7
Electrical transmission and distribution equipment and industrial apparatus	4,635	4,611	4,544	+0.5	+1.5	+0.9	4,639	4,620	4,557	4,284	+8.3
Household appliances	2,817	2,772	2,717	+1.6	+2.0	+1.6	2,696	2,652	2,564	2,449	+10.1
Electric lighting and wiring equipment	3,039	3,032	3,003	+0.2	+1.0	+0.2	3,024	3,045	2,993	2,864	+5.6
Household audio and video equipment	1,263	1,207	1,223	+4.6	-1.3	+4.8	1,205	1,211	1,292	975	+23.6
Communications equipment	12,052	11,797	11,536	+2.2	+2.3	+2.8	11,978	11,743	11,381	9,150	+30.9
Electronic components	12,441	12,231	11,984	+1.7	+2.1	+1.3	12,503	12,325	12,020	10,680	+17.1
Transportation equipment	58,949	59,131	59,400	-0.3	-0.5	-1.0	59,798	59,683	59,539	64,082	-6.7
Motor vehicles and parts	11,891	11,804	11,830	+0.7	-0.2	+0.2	12,231	12,012	12,057	11,767	+3.9
Aircraft, missiles, space vehicles, and parts	42,729	43,103	43,523	-0.9	-1.0	-1.4	43,258	43,541	43,522	48,196	-10.2
Shipbuilding and tanks	1,471	1,483	1,378	-0.8	+7.6	-2.0	1,436	1,439	1,337	1,600	-10.3
Instruments and related products	21,989	21,879	21,927	+0.5	-0.2	-0.2	22,090	22,000	22,041	22,364	-1.2
Search and navigation equipment	5,538	5,486	5,531	+0.9	-0.8	-3.1	5,552	5,544	5,615	5,815	-4.5
Measuring and controlling devices	6,686	6,620	6,607	+1.0	+0.2	+1.6	6,713	6,622	6,614	6,537	+2.7
Medical instruments and supplies	6,218	6,226	6,233	-0.1	-0.1	-0.4	6,274	6,277	6,224	6,283	-0.1
Photographic goods	2,657	2,672	2,686	-0.6	-0.5	+0.4	2,662	2,694	2,738	2,920	-8.8
All other durable goods	24,345	24,135	24,040	+0.9	+0.4	+0.4	24,004	23,926	23,925	22,457	+6.9
Nondurable goods industries	143,500	143,138	142,717	+0.3	+0.3	-0.1	143,484	143,969	142,734	142,206	+0.9
With unfilled orders	33,848	33,716	33,491	+0.4	+0.7	+0.1	33,310	33,471	33,463	32,645	+2.0
Food and kindred products	30,963	31,174	31,045	-0.7	+0.4	+0.8	32,391	32,900	31,626	31,377	+3.2
Meat products	3,356	3,417	3,462	-1.8	-1.3	-0.8	3,373	3,404	3,429	3,176	+6.2
Dairy products	2,768	2,744	2,716	+0.9	+1.0	+1.5	2,685	2,737	2,722	2,666	+0.7
Beverages	5,251	5,307	5,302	-1.1	+0.1	+0.1	5,314	5,383	5,316	5,428	-2.1
All other foods, except fats and oils	17,951	18,058	17,904	-0.6	+0.9	+1.4	19,279	19,670	18,787	18,447	+4.5
Tobacco products	5,712	5,621	5,713	+1.6	-1.6	-0.2	5,683	5,669	5,641	6,558	-13.3
Textile mill products	9,804	9,712	9,633	+0.9	+0.8	-0.1	9,498	9,480	9,468	9,122	+4.1
Broadwoven fabrics and other textiles	5,468	5,452	5,411	+0.3	+0.8	0.0	5,386	5,357	5,268	5,245	+2.7
Paper and allied products	13,515	13,509	13,548	0.0	-0.3	-0.2	13,348	13,247	13,337	13,322	+0.2
Pulp, paper, and paperboard mill products	5,432	5,459	5,521	-0.5	-1.1	-1.5	5,329	5,334	5,423	5,702	-6.5
Paperboard containers and boxes	3,444	3,391	3,350	+1.6	+1.2	+1.5	3,389	3,306	3,319	3,091	+9.6
Miscellaneous converted paper products	4,639	4,659	4,677	-0.4	-0.4	+0.1	4,630	4,607	4,595	4,529	+2.2
Chemicals and allied products	33,954	33,882	33,981	+0.2	-0.3	-0.3	33,830	33,612	33,529	34,406	-1.7
Industrial chemicals	16,245	16,173	16,024	+0.4	+0.9	-0.2	16,148	16,000	15,891	16,641	-3.0
Drugs, soaps, and toiletries	13,291	13,292	13,566	0.0	-2.0	-0.7	13,278	13,287	13,454	13,481	-1.5
Petroleum and coal products	10,412	10,359	10,310	+0.5	+0.5	-2.7	10,602	10,672	10,491	10,657	-0.5
Rubber and plastics products	12,827	12,801	12,620	+0.2	+1.4	-0.2	12,774	12,614	12,435	12,168	+5.0
All other nondurable goods	26,313	26,080	25,867	+0.9	+0.8	+0.2	25,358	25,775	26,207	24,596	+3.1

[p] Preliminary. [r] Revised.

See note at end of table 2 relating to survey variability.

Table 5. VALUE OF MANUFACTURERS' SHIPMENTS AND NEW ORDERS FOR TOPICAL SERIES[1]
(Millions of dollars)

Industry	Seasonally adjusted						Not seasonally adjusted [2]						
	Monthly			Percent Change			Monthly				Percent change	Year to date	
	Nov. 1994p	Oct. 1994r	Sept. 1994	Oct.-Nov.	Sept.-Oct.	Aug.-Sept.	Nov. 1994p	Oct. 1994r	Sept. 1994	Nov. 1993	Nov. 94/93	1994p	1993
SHIPMENTS													
All manufacturing industries	290,379	283,975	286,134	+2.3	-0.8	-0.7	292,019	294,142	304,359	266,399	+9.6	3,079,393	2,839,272
Market categories :													
Automotive equipment	14,582	13,605	14,371	+7.2	-5.3	-2.9	14,931	15,026	14,602	13,163	+13.4	153,979	132,268
Home goods and apparel	19,227	19,462	19,565	-1.2	-0.5	+1.5	20,282	22,118	22,072	19,283	+5.2	211,495	196,191
Consumer staples	59,791	58,977	59,023	+1.4	-0.1	-1.6	60,473	60,709	63,666	57,370	+5.4	645,140	626,061
Machinery and equipment	51,761	50,044	51,011	+3.4	-1.9	-0.2	51,696	49,965	54,714	46,293	+11.7	537,846	477,588
Business supplies	21,644	20,966	21,412	+3.2	-2.1	-1.1	22,080	22,202	22,304	19,929	+10.8	230,957	215,184
Construction materials and supplies	18,770	18,357	18,178	+2.2	+1.0	-1.1	18,537	19,342	19,545	17,005	+9.0	199,073	182,890
Defense products	7,276	7,279	7,175	0.0	+1.4	-4.4	7,506	7,173	7,746	7,683	-2.3	79,249	83,114
Other materials, supplies and and intermediate products	97,328	95,285	95,399	+2.1	-0.1	0.0	96,514	97,607	99,710	85,673	+12.7	1,021,654	925,976
Durable goods industries :													
Nondefense capital goods [3]	38,999	38,143	38,508	+2.2	-0.9	+1.6	38,538	36,601	42,470	34,560	+11.5	402,013	359,417
Excluding aircraft and parts	34,164	33,655	33,609	+1.5	+0.1	+1.4	33,833	32,416	37,179	30,000	+12.8	350,547	301,761
Defense capital goods [4]	6,750	6,768	6,683	-0.3	+1.3	-6.0	7,090	6,658	7,193	7,421	-4.5	74,233	80,071
Durables excluding capital goods	111,014	107,675	109,159	+3.1	-1.4	-1.3	112,067	114,298	114,610	100,752	+11.2	1,177,329	1,047,356
Miscellaneous series :													
Producers' durable equipment	100,491	97,049	99,532	+3.5	-2.5	-1.1	101,356	100,222	105,868	92,053	+10.1	1,062,030	944,750
Household durable goods	8,220	8,251	8,294	-0.4	-0.5	+0.5	8,790	9,245	9,481	8,243	+6.6	89,295	82,155
Information technology industries	19,148	18,467	18,469	+3.7	0.0	+2.8	19,296	17,262	21,508	16,422	+17.5	191,043	163,879
Health care equipment and products	8,715	8,601	8,577	+1.3	+0.3	-1.0	8,586	8,490	9,564	8,353	+2.8	93,269	90,052
NEW ORDERS													
All manufacturing industries	293,425	285,985	287,248	+2.6	-0.4	0.0	293,533	295,062	302,249	262,656	+11.8	3,089,383	2,808,053
Market categories :													
Automotive equipment	14,580	13,613	14,364	+7.1	-5.2	-3.1	14,928	15,041	14,555	13,210	+13.0	154,163	132,532
Home goods and apparel	19,084	19,343	19,494	-1.3	-0.8	+2.4	19,302	21,352	21,575	18,514	+4.3	211,925	196,540
Consumer staples	59,856	58,992	58,973	+1.5	0.0	-1.8	60,510	60,694	63,622	57,347	+5.5	645,267	626,022
Machinery and equipment	54,126	50,181	51,036	+7.9	-1.7	+0.7	54,404	50,355	54,144	46,024	+18.2	540,889	462,712
Business supplies	21,725	21,186	21,320	+2.5	-0.6	-1.4	22,061	22,277	22,183	19,794	+11.5	231,297	214,790
Construction materials and supplies	18,921	18,713	18,244	+1.1	+2.6	-0.6	18,492	19,409	19,385	16,853	+9.7	200,437	182,544
Defense products	5,904	6,208	7,354	-4.9	-15.6	+16.1	6,220	6,963	7,744	6,322	-1.6	70,881	70,868
Other materials, supplies and and intermediate products	99,229	97,749	96,463	+1.5	+1.3	+0.1	97,616	98,971	99,041	84,592	+15.4	1,034,524	922,045
Durable goods industries :													
Nondefense capital goods [3]	41,499	38,276	39,056	+8.4	-2.0	+3.9	41,600	37,233	42,405	34,382	+21.0	407,192	341,656
Excluding aircraft and parts	35,279	35,651	35,355	-1.0	+0.8	+3.5	35,510	34,911	38,312	30,804	+15.3	366,074	305,779
Defense capital goods [4]	5,439	5,811	6,939	-6.4	-16.3	+12.9	5,727	6,591	7,246	6,048	-5.3	65,708	67,569
Durables excluding capital goods	112,418	110,063	109,438	+2.1	+0.6	-1.3	112,133	115,015	112,906	99,007	+13.3	1,187,382	1,047,950
Miscellaneous series :													
Producers' durable equipment	103,037	98,393	99,256	+4.7	-0.9	-1.3	103,564	101,479	104,540	91,602	+13.1	1,071,666	935,216
Household durable goods	8,287	8,323	8,443	-0.4	-1.4	+2.0	8,373	8,952	9,427	7,840	+6.8	90,077	82,772
Information technology industries	19,306	19,257	19,435	+0.3	-0.9	+8.0	19,623	18,221	22,300	17,351	+13.1	196,005	165,562
Health care equipment and products	8,640	8,650	8,294	-0.1	+4.3	-2.9	8,511	8,539	9,281	8,227	+3.5	92,296	89,404

p Preliminary. r Revised.

[1] Topical series are regroupings of the separate industry categories.

[2] Shipments and new orders are the totals for the period and are adjusted for trading-day and calendar-month variations.

[3] Nondefense capital goods industries include : ordnance and accessories; steam, gas and hydraulic turbines; internal combustion engines; construction, mining, and ma is handling equipment; metalworking machinery; special industry machinery; general industrial machinery; computer and office equipment; refrigeration, heating and s ic industry machinery; electrical transmission and distribution equipment; electrical industrial apparatus; communications equipment; aircraft, missiles, space vehicles, and en ne and parts; ships and tank components; railroad equipment; and search and navigation equipment.

[4] Defense capital goods industries include : ordnance and accessories; communications equipment; aircraft, missiles, space vehicles, and engines and parts; ships, nk and tank components; and search and navigation equipment.

See note at end of table 2 relating to survey variability.

Table 6. VALUE OF MANUFACTURERS' UNFILLED ORDERS AND TOTAL INVENTORIES FOR TOPICAL SERIES[1]
(Millions of dollars)

Industry	Seasonally adjusted						Not seasonally adjusted				
	Monthly			Percent Change			Monthly				Percent change
	Nov. 1994[p]	Oct. 1994[r]	Sept. 1994	Oct.-Nov.	Sept.-Oct.	Aug.-Sept.	Nov. 1994[p]	Oct. 1994[r]	Sept. 1994	Nov. 1993	Nov. 94/93
UNFILLED ORDERS											
All manufacturing industries	453,899	450,853	448,843	+0.7	+0.4	+0.2	448,348	446,834	445,914	440,967	+1.7
Market categories :											
Automotive equipment	2,103	2,104	2,097	0.0	+0.3	-0.3	2,087	2,089	2,075	1,850	+12.8
Home goods and apparel	10,116	10,259	10,378	-1.4	-1.1	-0.7	9,092	10,072	10,839	8,940	+1.7
Consumer staples	1,612	1,547	1,532	+4.2	+1.0	-3.1	1,605	1,568	1,583	1,400	+14.6
Machinery and equipment	183,398	181,033	180,896	+1.3	+0.1	0.0	183,266	180,558	180,169	182,630	+0.3
Business supplies	5,869	5,788	5,568	+1.4	+4.0	-1.6	5,706	5,726	5,651	5,294	+7.8
Construction materials and supplies	15,673	15,522	15,165	+1.0	+2.4	+0.4	15,240	15,285	15,218	13,981	+9.0
Defense products	103,386	104,758	105,830	-1.3	-1.0	+0.2	102,543	103,829	104,038	111,090	-7.7
Other materials, supplies and and intermediate products	131,742	129,842	127,377	+1.5	+1.9	+0.8	128,809	127,707	126,341	115,782	+11.3
Durable goods industries :											
Nondefense capital goods [3]	202,170	199,670	199,537	+1.3	+0.1	+0.3	202,516	199,454	198,822	199,423	+1.6
Excluding aircraft and parts	90,839	89,724	87,728	+1.2	+2.3	+2.0	91,185	89,508	87,013	74,278	+22.8
Defense capital goods [4]	109,512	110,823	111,780	-1.2	-0.9	+0.2	108,613	109,976	110,043	117,278	-7.4
Durables excluding capital goods	117,177	115,773	113,385	+1.2	+2.1	+0.2	113,205	113,139	112,422	103,755	+9.1
Miscellaneous series :											
Producers' durable equipment	216,546	214,000	212,656	+1.2	+0.6	-0.1	215,779	213,571	212,314	208,840	+3.3
Household durable goods	6,229	6,162	6,090	+1.1	+1.2	+2.5	5,617	6,034	6,327	5,043	+11.4
Information technology industries	36,579	36,421	35,631	+0.4	+2.2	+2.8	37,048	36,721	35,762	32,799	+13.0
Health care equipment and products	6,513	6,588	6,539	-1.1	+0.7	-4.1	6,514	6,589	6,539	7,805	-16.5
TOTAL INVENTORIES											
All manufacturing industries	390,008	388,063	386,531	+0.5	+0.4	-0.1	390,461	389,437	386,321	380,579	+2.6
Market categories :											
Automotive equipment	6,235	6,199	6,168	+0.6	+0.5	+0.1	6,359	6,197	6,187	6,181	+2.9
Home goods and apparel	32,236	31,837	31,714	+1.3	+0.4	+0.3	30,829	31,042	31,613	29,121	+5.9
Consumer staples	58,144	58,161	58,327	0.0	-0.3	-0.1	59,451	59,955	58,979	59,575	-0.2
Machinery and equipment	94,799	93,871	93,405	+1.0	+0.5	-0.3	95,691	94,432	93,395	89,571	+6.8
Business supplies	21,519	21,411	21,209	+0.5	+1.0	0.0	21,454	21,559	21,390	21,033	+2.0
Construction materials and supplies	25,039	24,956	24,851	+0.3	+0.4	+0.3	24,617	24,658	24,576	23,558	+4.5
Defense products	22,254	22,510	22,669	-1.1	-0.7	-2.0	22,326	22,756	22,710	26,309	-15.1
Other materials, supplies and and intermediate products	129,782	129,118	128,188	+0.5	+0.7	+0.1	129,734	128,838	127,471	125,231	+3.6
Durable goods industries :											
Nondefense capital goods [3]	89,341	88,546	88,009	+0.9	+0.6	-0.5	90,108	89,240	88,012	83,991	+7.3
Excluding aircraft and parts	63,206	62,382	61,642	+1.3	+1.2	-0.1	63,660	62,911	61,648	56,924	+11.8
Defense capital goods [4]	23,092	23,371	23,544	-1.2	-0.7	-1.9	23,235	23,662	23,600	27,783	-16.4
Durables excluding capital goods	134,075	133,008	132,261	+0.8	+0.6	+0.4	133,634	132,566	131,975	126,599	+5.6
Miscellaneous series :											
Producers' durable equipment	152,450	151,028	150,225	+0.9	+0.5	0.0	153,085	151,574	150,306	143,316	+6.8
Household durable goods	14,226	14,001	13,981	+1.6	+0.1	-0.1	13,822	13,834	13,908	13,076	+5.7
Information technology industries	33,478	33,143	32,743	+1.0	+1.2	-0.9	33,799	33,542	32,799	30,759	+9.9
Health care equipment and products	13,446	13,454	13,606	-0.1	-1.1	-0.5	13,495	13,501	13,536	13,601	-0.8

See footnotes at end of table 5.

See note at end of table 2 relating to survey variability.

Table 7. VALUE OF MANUFACTURERS' INVENTORIES, BY STAGE OF FABRICATION, BY INDUSTRY GROUP
(Millions of dollars)

Industry	Seasonally adjusted						Not seasonally adjusted				
	Monthly			Percent Change			Monthly				Percent change
	Nov. 1994[p]	Oct. 1994[r]	Sept. 1994	Oct.-Nov.	Sept.-Oct.	Aug.-Sept.	Nov. 1994[p]	Oct. 1994[r]	Sept. 1994	Nov. 1993	Nov. 94/93
MATERIALS AND SUPPLIES											
All manufacturing industries	126,868	125,903	125,284	+0.8	+0.5	+0.8	127,147	126,489	125,265	121,103	+5.0
Durable goods industries	74,410	73,367	72,713	+1.4	+0.9	+0.7	74,877	73,898	73,172	68,916	+8.6
Stone, clay, and glass products	2,608	2,607	2,616	0.0	-0.3	+2.5	2,599	2,599	2,608	2,508	+3.6
Primary metals	6,345	6,281	6,170	+1.0	+1.8	+1.5	6,480	6,419	6,269	6,040	+7.3
Fabricated metal products	8,282	8,266	8,186	+0.2	+1.0	+1.9	8,307	8,214	8,243	7,788	+6.7
Industrial machinery and equipment	16,880	16,285	16,243	+3.7	+0.3	-0.9	16,998	16,422	16,287	14,504	+17.2
Electronic and other electrical equipment	12,871	12,724	12,379	+1.2	+2.8	+1.4	12,798	12,738	12,369	10,623	+20.5
Transportation equipment	10,978	10,864	10,899	+1.0	-0.3	+0.8	11,055	10,881	10,975	11,398	-3.0
Instruments and related products	6,795	6,756	6,693	+0.6	+0.9	-0.4	6,763	6,728	6,703	6,662	+1.5
Lumber, furniture and miscellaneous durable goods	9,651	9,584	9,527	+0.7	+0.6	+1.1	9,877	9,897	9,718	9,393	+5.2
Nondurable goods industries	52,458	52,536	52,571	-0.1	-0.1	+0.9	52,270	52,591	52,093	52,187	+0.2
Food and kindred products	10,164	10,325	10,225	-1.6	+1.0	+2.3	10,417	10,560	9,855	10,200	+2.1
Tobacco products	4,714	4,726	4,813	-0.3	-1.8	-1.7	4,552	4,620	4,700	5,263	-13.5
Textile mill products	2,905	2,842	2,802	+2.2	+1.4	+0.4	2,797	2,740	2,748	2,574	+8.7
Paper and allied products	6,859	6,829	6,813	+0.4	+0.2	+0.7	6,847	6,820	6,816	6,696	+2.3
Chemicals and allied products	11,289	11,272	11,301	+0.2	-0.3	+0.6	11,259	11,276	11,233	11,338	-0.7
Petroleum and coal products	2,904	2,978	3,047	-2.5	-2.3	+0.9	2,874	3,048	3,051	3,075	-6.5
Rubber and plastics products	4,774	4,731	4,673	+0.9	+1.2	0.0	4,810	4,726	4,697	4,469	+7.6
Apparel, printing and publishing and leather goods	8,849	8,833	8,897	+0.2	-0.7	+2.1	8,714	8,801	8,993	8,572	+1.7
WORK IN PROCESS											
All manufacturing industries	129,473	129,241	129,363	+0.2	-0.1	-0.5	130,434	130,990	130,264	130,560	-0.1
Durable goods industries	105,137	105,215	105,458	-0.1	-0.2	-0.7	105,835	106,393	106,147	106,892	-1.0
Stone, clay, and glass products	1,063	1,047	1,004	+1.5	+4.3	-2.9	996	1,001	991	988	+0.8
Primary metals	7,498	7,424	7,359	+1.0	+0.9	-1.0	7,454	7,446	7,432	7,233	+3.1
Fabricated metal products	7,586	7,559	7,551	+0.4	+0.1	-1.7	7,534	7,586	7,566	7,471	+0.8
Industrial machinery and equipment	18,686	18,667	18,851	+0.1	-1.0	-1.0	19,265	19,310	19,373	19,067	+1.0
Electronic and other electrical equipment	16,035	15,879	15,727	+1.0	+1.0	+2.0	15,992	15,960	15,698	14,018	+14.1
Transportation equipment	39,925	40,343	40,580	-1.0	-0.6	-1.7	40,326	40,730	40,580	43,924	-8.2
Instruments and related products	9,204	9,140	9,199	+0.7	-0.6	-0.1	9,263	9,266	9,306	9,570	-3.2
Lumber, furniture and miscellaneous durable goods	5,140	5,156	5,187	-0.3	-0.6	+1.4	5,005	5,094	5,201	4,621	+8.3
Nondurable goods industries	24,336	24,026	23,905	+1.3	+0.5	+0.6	24,599	24,597	24,117	23,668	+3.9
Food and kindred products	4,122	4,212	4,212	-2.1	0.0	+3.7	4,448	4,691	4,236	4,370	+1.8
Tobacco products	210	190	192	+10.5	-1.0	+6.1	318	266	223	266	+19.5
Textile mill products	2,567	2,558	2,550	+0.4	+0.3	-0.5	2,531	2,548	2,565	2,529	+0.1
Paper and allied products	1,217	1,217	1,198	0.0	+1.6	+0.1	1,190	1,168	1,181	1,148	+3.7
Chemicals and allied products	5,459	5,413	5,499	+0.8	-1.6	0.0	5,461	5,426	5,493	5,723	-4.6
Petroleum and coal products	2,362	2,285	2,225	+3.4	+2.7	-4.2	2,378	2,359	2,270	2,313	+2.8
Rubber and plastics products	1,903	1,876	1,864	+1.4	+0.6	+0.5	1,959	1,917	1,855	1,808	+8.4
Apparel, printing and publishing and leather goods	6,496	6,275	6,165	+3.5	+1.8	+1.5	6,314	6,222	6,294	5,511	+14.6
FINISHED GOODS											
All manufacturing industries	133,667	132,919	131,884	+0.6	+0.8	-0.6	132,880	131,958	130,792	128,916	+3.1
Durable goods industries	66,961	66,343	65,643	+0.9	+1.1	0.0	66,265	65,177	64,268	62,565	+5.9
Stone, clay, and glass products	3,877	3,877	3,880	0.0	-0.1	+0.5	3,772	3,707	3,704	3,844	-1.9
Primary metals	6,570	6,471	6,341	+1.5	+2.1	+0.6	6,499	6,399	6,253	5,973	+8.8
Fabricated metal products	7,876	7,854	7,900	+0.3	-0.6	-1.7	7,602	7,608	7,648	7,460	+1.9
Industrial machinery and equipment	14,223	14,321	13,899	-0.7	+3.0	-0.1	14,123	14,069	13,422	13,071	+8.0
Electronic and other electrical equipment	10,825	10,518	10,341	+2.9	+1.7	+1.4	10,666	10,381	10,219	8,882	+20.1
Transportation equipment	8,046	7,924	7,921	+1.5	0.0	+0.1	8,417	8,072	7,984	8,760	-3.9
Instruments and related products	5,990	5,983	6,035	+0.1	-0.9	-0.3	6,064	6,006	6,032	6,132	-1.1
Lumber, furniture and miscellaneous durable goods	9,554	9,395	9,326	+1.7	+0.7	-0.8	9,122	8,935	9,006	8,443	+8.0
Nondurable goods industries	66,706	66,576	66,241	+0.2	+0.5	-1.2	66,615	66,781	66,524	66,351	+0.4
Food and kindred products	16,677	16,637	16,608	+0.2	+0.2	-0.8	17,526	17,649	17,535	16,807	+4.3
Tobacco products	788	705	708	+11.8	-0.4	+9.4	813	783	718	1,029	-21.0
Textile mill products	4,332	4,312	4,281	+0.5	+0.7	-0.1	4,170	4,192	4,155	4,019	+3.8
Paper and allied products	5,439	5,463	5,537	-0.4	-1.3	-1.4	5,311	5,259	5,340	5,478	-3.0
Chemicals and allied products	17,206	17,197	17,181	+0.1	+0.1	-1.0	17,110	16,910	16,803	17,345	-1.4
Petroleum and coal products	5,146	5,096	5,038	+1.0	+1.2	-4.1	5,350	5,265	5,170	5,269	+1.5
Rubber and plastics products	6,150	6,194	6,083	-0.7	+1.8	-0.7	6,005	5,971	5,883	5,891	+1.9
Apparel, printing and publishing and leather goods	10,968	10,972	10,805	0.0	+1.5	-2.1	10,330	10,752	10,920	10,513	-1.7

[p] Preliminary. [r] Revised.

See note at end of table 2 relating to survey variability.

Table 8. RATIOS OF MANUFACTURES' INVENTORIES TO SHIPMENTS AND UNFILLED ORDERS TO SHIPMENTS, BY INDUSTRY GROUP
(Based on seasonally adjusted data)

Industry	Inventory / Shipments ratio				Unfilled Orders / Shipments ratio[1]			
	Nov. 1994[p]	Oct. 1994[r]	Sept. 1994	Aug. 1994	Nov. 1994[p]	Oct. 1994[r]	Sept. 1994	Aug. 1994
All manufacturing industries	1.34	1.37	1.35	1.34	2.90	2.94	2.90	2.89
Durable goods industries	1.57	1.61	1.58	1.57	3.47	3.52	3.48	3.47
Stone, clay, and glass products	1.10	1.13	1.12	1.10	1.19	1.20	1.17	1.15
Primary metals	1.46	1.48	1.48	1.48	2.04	2.06	2.01	1.94
Fabricated metal products	1.52	1.56	1.54	1.52	1.42	1.46	1.45	1.44
Industrial machinery and equipment	1.74	1.72	1.72	1.74	2.54	2.48	2.42	2.39
Electronic and other electrical equipment	1.64	1.66	1.65	1.64	1.90	1.94	1.95	1.96
Transportation equipment	1.49	1.59	1.50	1.48	10.95	11.21	10.81	10.62
Instruments and related products	1.98	2.00	1.97	1.95	4.31	4.42	4.31	4.32
Nondurable goods industries	1.07	1.09	1.08	1.08	0.75	0.76	0.74	0.73
Food and kindred products	0.85	0.87	0.87	0.86	(X)	(X)	(X)	(X)
Tobacco products	2.13	2.01	2.26	2.07	(X)	(X)	(X)	(X)
Textile mill products	1.58	1.56	1.53	1.54	(NA)	(NA)	(NA)	(NA)
Paper and allied products	1.10	1.12	1.14	1.16	(NA)	(NA)	(NA)	(NA)
Chemicals and allied products	1.14	1.16	1.15	1.17	(X)	(X)	(X)	(X)
Petroleum and coal products	0.86	0.88	0.86	0.83	(X)	(X)	(X)	(X)
Rubber and plastics products	1.29	1.32	1.31	1.31	(X)	(X)	(X)	(X)

[p] Preliminary. [r] Revised. (X) Not applicable. (NA) Not available.

[1] Excludes the following industries with no unfilled orders : Wood and lumber products; glass containers; metal cans, barrels and drums; farm and garden machinery; motor vehicle assembly operations; other transportation equipment; foods and related products; tobacco; knitting mill products; apparel and related products; chemicals; petroleum and coal products; and rubber and plastics products.

Table 9. REVISIONS TO PREVIOUSLY PUBLISHED MONTHLY PERCENT CHANGES
(Based on seasonally adjusted data)

Industry	Shipments			New orders			Unfilled orders			Inventories		
	Nov.[1] 1994	Nov.[2] 1989-1993	Nov. 1993-Oct. 1994	Nov.[1] 1994	Nov.[2] 1989-1993	Nov. 1993-Oct. 1994	Nov.[1] 1994	Nov.[2] 1989-1993	Nov. 1993-Oct. 1994	Nov.[1] 1994	Nov.[2] 1989-1993	Nov. 1993-Oct. 1994
All manufacturing industries	(X)	0.1	0.2	(X)	0.1	0.2	(X)	0.0	0.1	(X)	0.0	0.0
Durable goods industries	-0.1	0.2	0.2	0.0	0.1	0.2	0.0	0.1	0.1	(X)	0.1	0.1
Stone, clay, and glass products	(X)	0.3	0.6	(X)	0.6	0.9	(X)	0.4	0.5	(X)	0.1	0.2
Primary metals	0.1	0.5	0.4	0.1	0.5	0.7	0.0	0.1	0.4	(X)	0.1	0.2
Fabricated metal products	(X)	0.2	0.5	(X)	0.7	0.5	(X)	0.3	0.3	(X)	0.1	0.3
Industrial machinery and equipment	-0.3	0.5	0.5	-0.3	0.7	0.7	0.0	0.2	0.2	(X)	0.1	0.1
Electronic and other electrical equipment	0.0	0.3	0.2	0.0	0.3	0.6	0.1	0.1	0.3	(X)	0.1	0.1
Transportation equipment	-0.1	0.2	0.6	0.2	0.3	1.0	0.1	0.0	0.1	(X)	0.2	0.2
Instruments and related products	(X)	0.1	0.5	(X)	0.6	2.1	(X)	0.2	0.4	(X)	0.1	0.3
Nondurable goods industries	(X)	0.0	0.2	(X)	0.1	0.2	(X)	0.4	0.4	(X)	0.1	0.1
Food and kindred products	(X)	0.2	0.2	(X)	(X)	(X)	(X)	(X)	(X)	(X)	0.2	0.1
Tobacco products	(X)	0.2	0.2	(X)	(X)	(X)	(X)	(X)	(X)	(X)	0.0	0.0
Textile mill products	(X)	0.3	0.4	(X)	(NA)	(NA)	(X)	(NA)	(NA)	(X)	0.3	0.1
Paper and allied products	(X)	0.1	0.2	(X)	(NA)	(NA)	(X)	(NA)	(NA)	(X)	0.1	0.1
Chemicals and allied products	(X)	0.1	0.2	(X)	(X)	(X)	(X)	(X)	(X)	(X)	0.1	0.1
Petroleum and coal products	(X)	0.2	0.3	(X)	(X)	(X)	(X)	(X)	(X)	(X)	0.2	0.2
Rubber and plastics products	(X)	0.4	0.2	(X)	(X)	(X)	(X)	(X)	(X)	(X)	0.1	0.2
Capital goods industries :												
Nondefense	-0.1	0.2	0.4	-0.1	0.3	0.5	0.0	0.1	0.1	(X)	0.1	0.1
Defense	-1.0	0.2	0.5	1.3	1.8	5.4	0.1	0.1	0.3	(X)	0.0	0.3

(X) Not applicable. (NA) Not available.

Note : The five year and the twelve month revisions are the differences between the month-to-month percent changes of the preliminary and final estimates. The monthly averages are the simple averages of the absolute values of the differences for the months specified. The advance to final percent change revisions for the durable goods industries are shown in the advance report for the month.

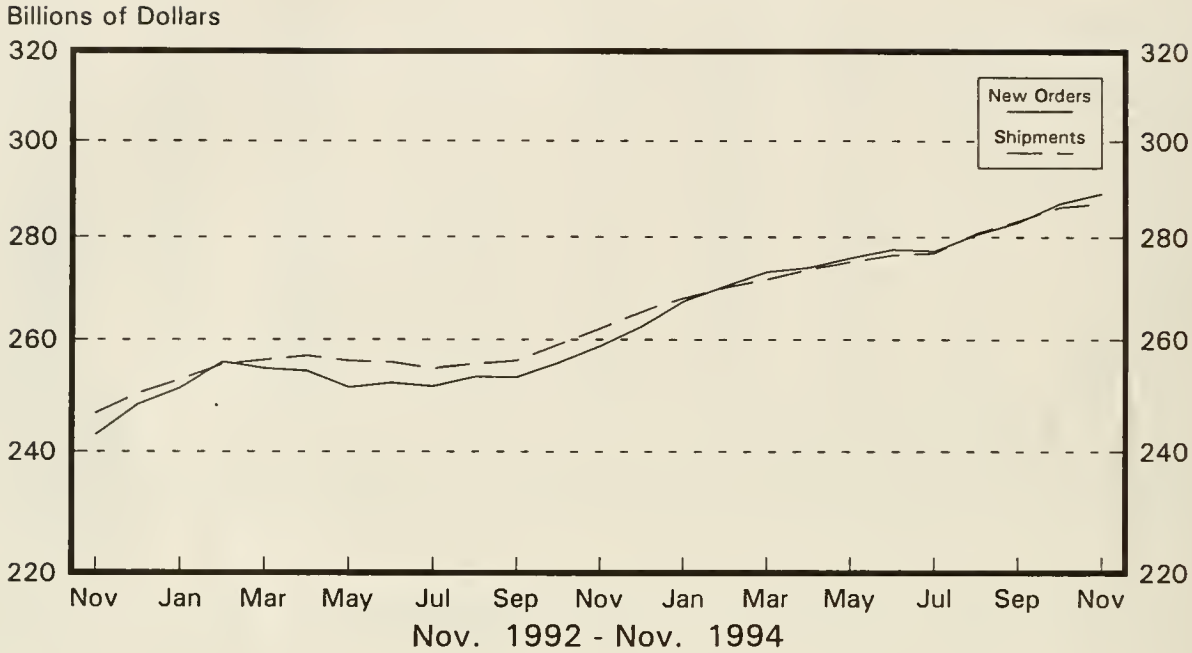
[1] The current month revisions are the difference between the advance percent change and the percent change as shown in this publication.

[2] Average for this month for the last five years.

See note at end of table 2 relating to survey variability.

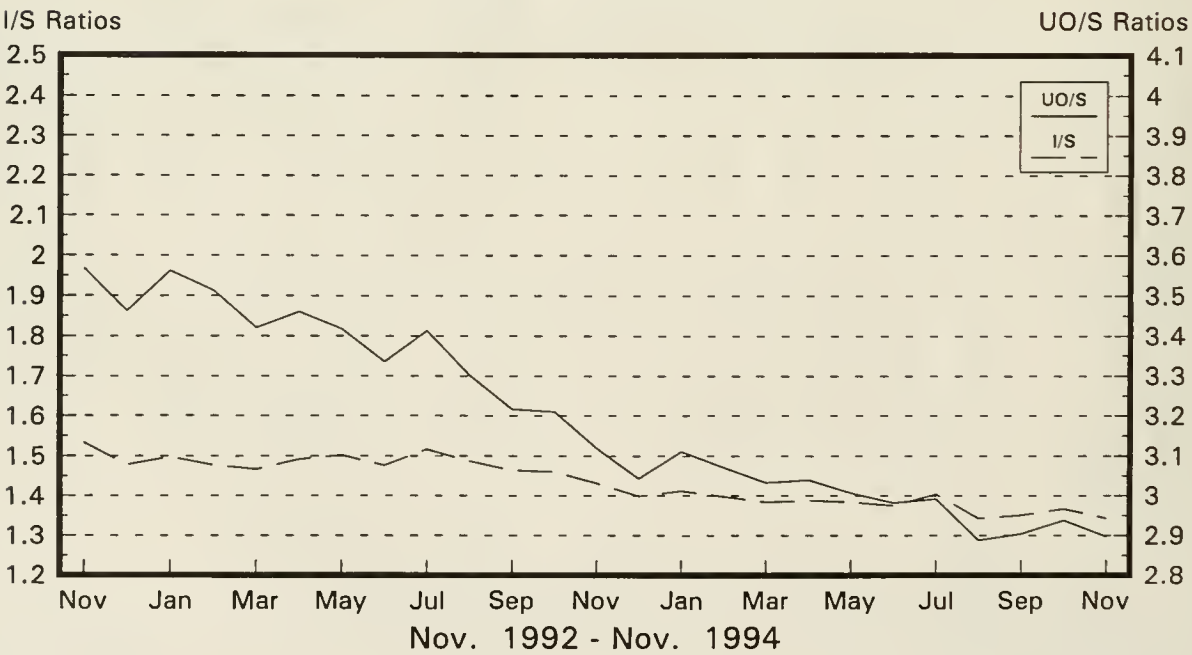
Total Manufacturing

New Orders and Shipments
Three Month Moving Averages



Total Manufacturing

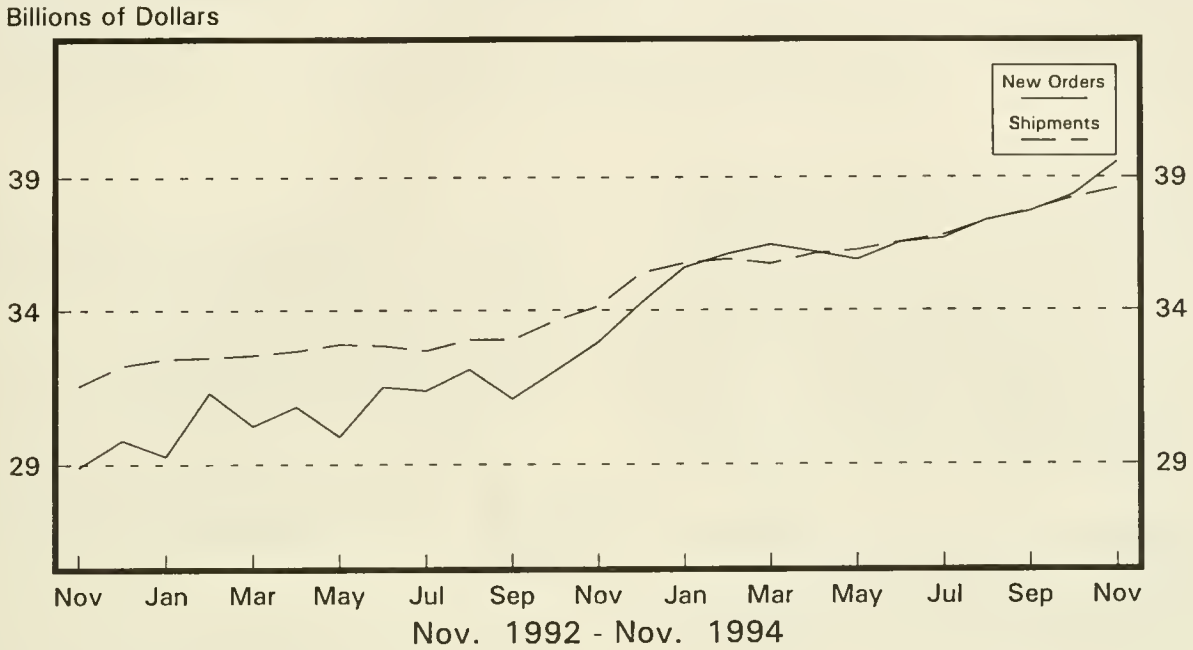
Ratio of Unfilled Orders and
Inventories to Shipments



Note: All Charts based on seasonally adjusted current dollars.

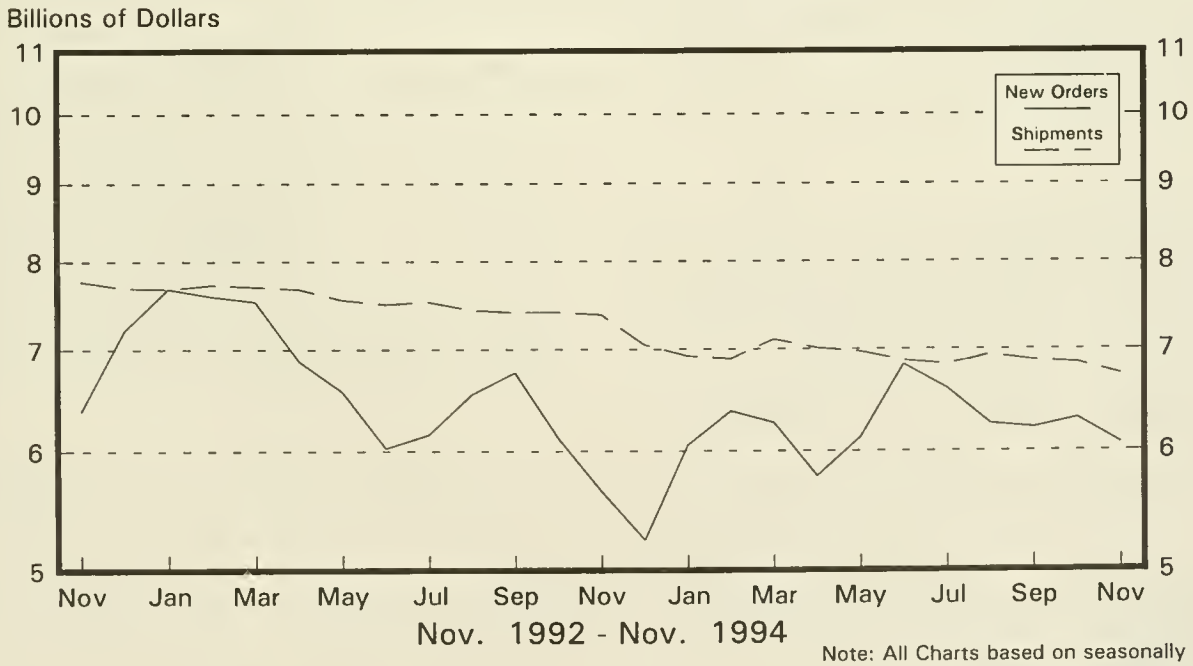
Nondefense Capital Goods

New Orders and Shipments
Three Month Moving Averages



Defense Capital Goods

New Orders and Shipments
Three Month Moving Averages



Note: All Charts based on seasonally adjusted current dollars.

U.S. Department of Commerce
BUREAU OF THE CENSUS
Washington, D.C. 20233

Official Business
Penalty for Private Use, $300

First Class Mail

PUBLICATION DATES FOR THE 1995 MONTHLY M3 SURVEY
MANUFACTURERS' SHIPMENTS, INVENTORIES, AND ORDERS

Report Covering	Advance Report Release Dates (8:30 a.m. release time)	Regular Report Release Dates (10:00 a.m. release time)
December 1994	Thur., Jan. 26	Fri., Feb. 3
January 1995	Fri., Feb. 24	Fri., Mar. 3
February 1995	Fri., Mar. 24	Fri., Mar. 31
March 1995	Wed., Apr. 26	Wed., May 3
April 1995	Wed., May 24	Thurs., June 1
May 1995	Fri., June 23	Fri., June 30
June 1995	Thur., July 27	Thur., Aug. 3
July 1995	Thur., Aug. 24	Thur., Aug. 31
August 1995	Wed., Sept. 27	Wed., Oct. 4
September 1995	Thur., Oct. 26	Thur., Nov. 2
October 1995	Wed., Nov. 29	Wed., Dec. 6
November 1995	Wed., Dec. 27	Thur., Jan 4, 1996

3.158:M 3-1-(94)-12
APR 14 1995
rent Industrial Reports, Manufac...
DUSION PUBLIC LIBRARY

Manufacturers' Shipments, Inventories, and Orders

U. S. Department of Commerce
Economics and Statistics Administration
BUREAU OF THE CENSUS

December 1994
M3-1-(94)-12
For Wire Transmissions 10:00 a.m. E.S.T. February 3, 1995

Kathy Menth or Gloria Cable
(301)457-4804 or (301)457-4832

Note: All figures in text are in seasonally adjusted current dollars

Summary

New orders for manufactured goods in December increased $4.9 billion or 1.7 percent to $298.6 billion, the Department of Commerce, Bureau of the Census reported today. This follows a 2.7 percent increase in November, is the ninth increase this year and the fourteen in the last seventeen months. New orders for 1994 are 10.2 percent above 1993.

Shipments increased $4.1 billion or 1.4 percent to $295.3 billion, following a 2.5 percent increase in November. This is the third increase in the last five months, the seventh this year and the twelfth in the last seventeen months. Shipments for 1994 are 8.5 percent above 1993.

Unfilled orders increased $3.3 billion or 0.7 percent to $456.6 billion, following a 0.6 percent increase in November. This is the fourth consecutive monthly increase and the ninth this year. The unfilled orders-to-shipments ratio decreased in December to 2.87 from 2.88 in November. December 1994 unfilled orders are 3.3 percent above December 1993.

Inventories increased $1.3 billion or 0.3 percent to $391.3 billion, following a 0.5 percent increase in November. This is the third consecutive monthly increase and the tenth this year. The inventories-to-shipments ratio decreased in December to 1.32 from 1.34 in November. The December 1994 inventory level is 3.7 percent above December 1993.

New Orders

New orders for manufactured durable goods in December increased $2.4 billion or 1.5 percent to $161.7 billion, revised from the previously published 1.4 percent increase. This follows a 3.4 percent increase in November and is the ninth in 1994 and the fourteenth in the last seventeen months.

Transportation equipment had the largest increase, $2.4 billion or 6.0 percent to $41.8 billion; large increases led by shipbuilding and tanks were only partially offset by a decline in aircraft and aircraft parts. This follows a 12.1 percent increase in November and is the fourth in the last five months. Primary metals increased $0.8 billion or 5.7 percent to $15.5 billion, the fifth consecutive monthly increase. Electronic and other electrical equipment increased $0.8 billion or 3.2 percent to $25.6 billion, the fifth consecutive increase and the ninth in 1994. Instruments and related products increased $0.3 billion or 3.2 percent to $11.1 billion, following a 4.0 percent decrease in November. Stone, clay, and glass products increased $0.2 billion or 3.1 percent to $7.4 billion, the third consecutive increase. Industrial machinery and equipment had the largest decline, $1.5 billion or 5.0 percent to $28.5 billion, following a 1.2 percent decline in November. This is the third decline in the last four months and the sixth in 1994. Fabricated metal products decreased $0.5 billion or 3.4 percent to $15.2 billion, the first decline since September.

New orders for nondurable goods were $136.8 billion, up $2.5 billion or 1.8 percent from November; nearly all industries increased. The largest increases were in food and kindred products, chemicals and allied products, and apparel and related products.

Shipments

Shipments of durable goods in December increased $1.5 billion or 1.0 percent to $158.8 billion, revised from the previously published 0.7 percent increase. This follows an increase of 3.1 percent in November and is the seventh increase in 1994. Primary metals increased $0.7 billion or 4.8 percent to $14.8 billion, the eleventh consecutive monthly increase. Industrial machinery and equipment was up $0.4 billion or 1.6 percent to $28.8 billion. This follows a 0.8 percent November decline and is the seventh increase in the last eight months. Stone, clay, and glass products increased $0.3 billion or 3.7 percent to $7.2 billion, following a 3.9 percent November increase. Electronic and other electrical equipment, up for the fourteenth consecutive month, increased $0.2 billion or 0.9 percent to $24.7 billion. Transportation equipment increased 0.2 percent to $40.0 billion, with an increase in motor vehicle and parts partially offset by declines led by aircraft and aircraft parts. This follows a 6.9 percent increase in November and is the sixth in 1994.

Shipments of nondurable goods increased $2.6 billion or 1.9 percent to $136.5 billion, with increases in nearly all industries. This follows a 1.9 percent increase in November and is the twelfth increase in the last fourteen months. Food and kindred products, up for the third consecutive month, had the largest increase, $1.0 billion or 2.7 percent to $37.6 billion. Chemicals and allied products and apparel and related products also had large increases.

Unfilled Orders

Unfilled orders for durable goods in December increased $2.9 billion or 0.7 percent to $431.2 billion, the fourth consecutive monthly increase. The December percent change is unrevised from the previously published 0.7 percent increase. Transportation equipment increased $1.9 billion or 0.9 percent to $203.2 billion. This follows a 0.2 percent decrease in November and is the first increase since January 1994. Electronic and other electrical equipment increased $0.9 billion or 1.9 percent to $47.0 billion, the fourth consecutive monthly increase. Primary metals was up $0.6 billion or 2.3 percent to $29.1 billion, the thirteenth consecutive monthly increase. Industrial machinery and equipment, down for the first month since June 1993, decreased $0.3 billion or 0.4 percent to $67.7 billion.

Inventories

Inventories for durable goods in December increased $0.9 billion or 0.4 percent to $247.3 billion. Except for the 0.1 percent decrease in September, inventories have increased every month since March 1994. Electronic and other electrical equipment, up for the twelfth consecutive month and twenty-four of the last twenty-six, had the largest increase, $0.5 billion or 1.1 percent to $40.2 billion. Fabricated metal products increased $0.4 billion or 1.5 percent to $24.2 billion, following a 0.7 percent increase in November. Primary metals increased $0.2 billion or 0.8 percent to $20.6 billion, the fourth consecutive increase. Transportation equipment, down for the fifth consecutive month, had the largest decline, $0.2 billion or 0.4 percent to $58.6 billion.

Nondurable goods inventories increased $0.4 billion or 0.3 percent to $144.0 billion, the third consecutive monthly increase. Chemicals and allied products had the largest increase, $0.3 billion or 0.9 percent to $34.3 billion, following a 0.3 percent November increase.

By stage of fabrication, finished goods increased 1.0 percent in durables and 0.7 percent in nondurables. Work in process decreased 0.2 percent in durables and 1.0 percent in nondurables. Materials and supplies increased 0.5 percent in durables and 0.3 percent in nondurables.

(SEE BACK PAGE FOR 1995 RELEASE DATES)

The advance report on durable goods for January is scheduled for February 24, 1995 at 8:30 a.m. and the full report on March 3, 1995 at 10:00 a.m. For sale by the Superintendent of Documents, U.S. Government Printing Office, Washington, DC 20402. This report is also available the day of issue through the Department of Commerce's online Economic Bulletin Board (N-8-1) (202-482-3870) and through the Census Bureau's online information service--CENDATA. CENDATA is available from Dialog Information Services, Inc. (1-800-334-2564) and CompuServe (1-800-848-8199). The CENDATA staff at the Bureau of the Census (301-457-1305) can provide content information and general guidance.

Table 1. VALUE OF MANUFACTURERS' SHIPMENTS FOR INDUSTRY GROUPS
(Millions of dollars)

Industry	Seasonally adjusted						Not seasonally adjusted[1]						
	Monthly			Percent Change			Monthly				Percent change	Year to date	
	Dec. 1994[p]	Nov. 1994[r]	Oct. 1994	Nov.-Dec.	Oct.-Nov.	Sept.-Oct.	Dec. 1994[p]	Nov. 1994[r]	Oct. 1994	Dec. 1993	Dec. 94/93	1994[p]	1993
All manufacturing industries	295,319	291,191	283,975	+1.4	+2.5	-0.8	289,514	292,557	294,142	262,967	+10.1	3,369,445	3,102,239
Manufacturing Industries													
with unfilled orders	158,893	157,368	153,451	+1.0	+2.6	-0.7	161,679	159,220	158,178	147,477	+9.6	1,816,083	1,657,414
without defense capital goods	288,980	284,392	277,207	+1.6	+2.6	-0.8	281,768	285,407	287,484	254,876	+10.6	3,287,406	3,014,077
Durable goods industries	158,827	157,292	152,586	+1.0	+3.1	-1.1	158,436	158,063	157,557	144,924	+9.3	1,812,379	1,631,768
With unfilled orders	125,223	124,162	121,137	+0.9	+2.5	-0.6	128,892	125,119	123,817	118,429	+8.8	1,433,701	1,302,114
Stone, clay, and glass products	7,172	6,914	6,656	+3.7	+3.9	-0.6	6,180	6,919	7,265	5,447	+13.5	80,253	70,577
Primary metals	14,831	14,155	13,590	+4.8	+4.2	+1.5	13,774	13,937	14,066	11,011	+25.1	156,338	138,196
Blast furnaces, steel mills	6,463	6,136	5,961	+5.3	+2.9	+0.4	5,965	5,940	6,121	4,991	+19.5	69,490	63,127
Iron and steel foundries	1,427	1,294	1,222	+10.3	+5.9	-1.9	1,187	1,285	1,347	937	+26.7	14,556	12,557
Nonferrous and other primary metals	6,941	6,725	6,407	+3.2	+5.0	+3.2	6,622	6,712	6,598	5,083	+30.3	72,292	62,512
Fabricated metal products	15,154	15,560	15,195	-2.6	+2.4	-0.9	14,272	15,580	16,091	13,940	+2.4	181,959	170,308
Industrial machinery and equipment	28,802	28,362	28,592	+1.6	-0.8	+0.5	31,834	27,694	27,736	29,048	+9.6	329,383	287,739
Engines and turbines	1,962	1,926	1,893	+1.9	+1.7	-2.1	2,902	1,881	1,712	2,723	+6.6	22,381	19,047
Farm and garden machinery	1,736	1,713	1,899	+1.3	-9.8	+3.5	1,444	1,386	1,847	1,321	+9.3	21,170	17,698
Construction, mining and material handling equipment	3,065	2,940	2,823	+4.3	+4.1	+0.3	2,924	2,791	2,887	2,422	+20.7	33,087	29,643
Metalworking machinery	2,933	3,110	3,189	-5.7	-2.5	-0.4	3,203	3,448	3,376	2,968	+7.9	35,246	31,059
Computer and office equipment	7,850	7,831	7,799	+0.2	+0.4	+1.2	10,629	7,807	6,743	9,765	+8.8	89,018	77,164
Electronic and other electrical equipment	24,678	24,465	23,611	+0.9	+3.6	+1.2	26,185	25,312	23,951	22,039	+18.8	274,026	232,907
Electrical transmission and distribution equipment and industrial apparatus	2,663	2,666	2,614	-0.1	+2.0	0.0	2,652	2,577	2,544	2,476	+7.1	31,358	28,812
Household appliances	1,934	1,901	1,869	+1.7	+1.7	-1.4	1,820	1,837	1,856	1,540	+18.2	22,493	19,847
Electric lighting and wiring equipment	1,883	1,868	1,876	+0.8	-0.4	-0.1	1,973	1,984	1,896	1,713	+15.2	21,734	20,032
Household audio and video equipment	1,106	1,088	1,109	+1.7	-1.9	+5.9	1,045	1,384	1,504	893	+17.0	12,585	11,249
Communications equipment	5,731	5,756	5,421	-0.4	+6.2	+2.0	7,427	5,855	5,121	6,095	+21.9	61,458	47,755
Electronic components	9,046	8,669	8,437	+4.3	+2.7	+0.3	8,983	8,685	8,431	7,209	+24.6	97,205	80,981
Transportation equipment	39,971	39,875	37,303	+0.2	+6.9	-5.5	38,390	40,437	39,792	36,850	+4.2	463,112	424,564
Motor vehicles and parts	29,193	28,409	26,413	+2.8	+7.6	-6.7	25,629	29,066	29,090	22,696	+12.9	328,833	282,117
Aircraft, missiles, space vehicles, and parts	8,093	8,618	8,135	-6.1	+5.9	-2.7	10,143	8,682	7,840	11,485	-11.7	101,635	112,773
Shipbuilding and tanks	752	814	840	-7.6	-3.1	-10.6	925	792	846	1,184	-21.9	11,461	11,874
Instruments and related products	11,343	11,159	10,932	+1.6	+2.1	-2.0	12,344	11,359	10,879	11,912	+3.6	132,370	128,970
Search and navigation equipment	2,400	2,354	2,428	+2.0	-3.0	-4.2	2,871	2,525	2,326	2,928	-1.9	29,772	32,059
Measuring and controlling devices	3,477	3,385	3,133	+2.7	+8.0	-5.2	3,675	3,328	3,139	3,286	+11.8	38,785	35,194
Medical instruments and supplies	3,145	3,080	3,020	+2.1	+2.0	+1.2	3,378	3,052	2,940	3,342	+1.1	36,074	35,407
Photographic goods	1,895	1,985	1,968	-4.5	+0.9	+1.9	2,020	2,109	2,091	2,029	-0.4	23,261	22,249
All other durable goods	16,876	16,802	16,707	+0.4	+0.6	+1.2	15,457	16,825	17,777	14,677	+5.3	194,938	178,507
Nondurable goods industries	136,492	133,899	131,389	+1.9	+1.9	-0.3	131,078	134,494	136,585	118,043	+11.0	1,557,066	1,470,471
With unfilled orders	33,670	33,206	32,314	+1.4	+2.8	-1.1	32,787	34,101	34,361	29,048	+12.9	382,382	355,300
Food and kindred products	37,571	36,587	35,909	+2.7	+1.9	+0.3	37,484	36,825	37,253	35,096	+6.8	429,610	413,988
Meat products	8,468	8,114	8,153	+4.4	-0.5	+0.1	8,231	7,940	8,486	7,733	+6.4	96,974	95,244
Dairy products	4,967	4,756	4,669	+4.4	+1.9	+0.6	4,793	4,813	4,631	4,398	+9.0	55,927	53,966
Beverages	5,401	5,326	5,294	+1.4	+0.6	+2.2	5,088	5,073	5,132	4,746	+7.2	62,732	59,037
All other foods, except fats and oils	16,755	16,338	16,016	+2.6	+2.0	0.0	17,392	16,946	17,227	16,396	+6.1	191,869	184,843
Tobacco products	2,596	2,641	2,801	-1.7	-5.7	+10.8	2,936	2,779	2,679	3,054	-3.9	32,611	31,301
Textile mill products	6,442	6,256	6,233	+3.0	+0.4	-1.1	5,862	6,335	6,640	5,309	+10.4	74,224	70,172
Broadwoven fabrics and other textiles	4,052	3,941	3,892	+2.8	+1.3	+0.1	3,821	3,887	4,004	3,451	+10.7	46,087	43,437
Paper and allied products	12,442	12,311	12,085	+1.1	+1.9	+2.0	12,044	12,262	12,369	10,391	+15.9	137,920	129,445
Pulp, paper, and paperboard mill products	5,110	5,014	4,906	+1.9	+2.2	+2.7	5,023	5,099	4,937	4,207	+19.4	55,055	52,148
Paperboard containers and boxes	3,326	3,260	3,191	+2.0	+2.2	+2.3	3,123	3,218	3,352	2,499	+25.0	36,063	31,839
Miscellaneous converted paper products	4,006	4,037	3,988	-0.8	+1.2	+1.0	3,898	3,945	4,080	3,685	+5.8	46,802	45,458
Chemicals and allied products	30,346	29,935	29,275	+1.4	+2.3	-0.7	28,789	28,762	28,594	25,370	+13.5	341,293	313,752
Industrial chemicals	16,589	16,100	15,646	+3.0	+2.9	-0.5	15,428	15,678	15,579	12,347	+25.0	179,788	160,933
Drugs, soaps, and toiletries	10,285	10,427	10,279	-1.4	+1.4	-0.2	10,491	10,278	10,211	10,516	-0.2	122,124	117,391
Petroleum and coal products	12,495	12,318	11,713	+1.4	+5.2	-2.2	12,120	12,825	12,509	10,483	+15.6	144,304	147,301
Rubber and plastics products	10,143	9,925	9,723	+2.2	+2.1	+0.9	9,101	9,484	10,074	8,002	+13.7	113,775	104,076
All other nondurable goods	24,457	23,926	23,650	+2.2	+1.2	-2.3	22,742	25,222	26,467	20,338	+11.8	283,329	260,436

[p] Preliminary. [r] Revised.

[1] Shipments and new orders are the totals for the period and are adjusted for trading-day and calendar-month variations.

See note at end of table 2 relating to survey variability.

Table 2. VALUE OF MANUFACTURERS' NEW ORDERS FOR INDUSTRY GROUPS
(Millions of dollars)

Industry	Seasonally adjusted						Not seasonally adjusted[1]						
	Monthly			Percent Change			Monthly				Percent change	Year to date	
	Dec. 1994[p]	Nov. 1994[r]	Oct. 1994	Nov.-Dec.	Oct.-Nov.	Sept.-Oct.	Dec. 1994[p]	Nov. 1994[r]	Oct. 1994	Dec. 1993	Dec. 94/93	1994[p]	1993
All manufacturing industries	298,576	293,716	285,985	+1.7	+2.7	-0.4	293,403	293,415	295,062	260,358	+12.7	3,382,668	3,068,411
Manufacturing industries with unfilled orders	162,150	159,893	155,461	+1.4	+2.9	-0.2	165,568	160,078	159,098	144,868	+14.3	1,829,306	1,623,586
without defense capital goods	289,303	288,149	280,174	+0.4	+2.8	0.0	281,271	287,809	288,471	252,407	+11.4	3,304,949	2,992,891
Durable goods industries	161,727	159,321	154,150	+1.5	+3.4	-0.8	162,203	159,189	158,839	142,095	+14.2	1,822,214	1,599,270
With unfilled orders	128,123	126,191	122,701	+1.5	+2.8	-0.2	132,659	126,245	125,099	115,600	+14.8	1,443,536	1,269,616
Stone, clay, and glass products	7,394	7,172	6,812	+3.1	+5.3	+1.6	6,256	6,970	7,103	5,330	+17.4	80,948	71,004
Primary metals	15,475	14,644	14,635	+5.7	+0.1	+1.6	15,066	14,239	14,463	11,528	+30.7	162,691	139,068
Blast furnaces, steel mills	6,342	6,108	6,156	+3.8	-0.8	-1.0	5,957	5,903	5,950	5,036	+18.3	70,422	64,417
Iron and steel foundries	1,670	1,319	1,229	+26.6	+7.3	-3.8	1,448	1,251	1,390	905	+60.0	15,215	12,770
Nonferrous and other primary metals	7,463	7,217	7,250	+3.4	-0.5	+5.1	7,661	7,085	7,123	5,587	+37.1	77,054	61,881
Fabricated metal products	15,162	15,691	15,100	-3.4	+3.9	+0.3	14,542	15,459	15,739	14,152	+2.8	182,340	167,593
Industrial machinery and equipment	28,538	30,048	30,415	-5.0	-1.2	+1.9	30,994	29,880	30,041	29,486	+5.1	343,909	290,598
Engines and turbines	1,229	2,095	2,089	-41.3	+0.3	+9.6	2,118	2,113	2,140	2,535	-16.4	22,865	19,130
Construction, mining and material handling equipment	3,050	3,072	2,978	-0.7	+3.2	-1.1	2,890	2,959	3,112	2,485	+16.3	34,313	29,835
Metalworking machinery	3,044	3,289	3,108	-7.4	+5.8	-6.9	3,314	3,627	3,295	3,359	-1.3	37,612	31,061
Computer and office equipment	7,838	7,944	8,604	-1.3	-7.7	+3.8	9,757	8,102	7,728	9,172	+6.4	92,969	77,294
Electronic and other electrical equipment	25,561	24,771	23,974	+3.2	+3.3	+2.4	26,622	25,673	24,343	21,181	+25.7	275,728	235,258
Electrical transmission and distribution equipment and industrial apparatus	2,554	2,532	2,786	+0.9	-9.1	+10.7	2,479	2,479	2,715	2,389	+3.8	31,329	29,030
Electric lighting and wiring equipment	1,903	1,809	1,993	+5.2	-9.2	+3.2	1,993	1,925	2,013	1,680	+18.6	22,137	20,289
Communications equipment	6,516	5,816	5,044	+12.0	+15.3	-13.5	8,185	5,894	4,814	5,994	+36.6	61,430	49,365
Electronic components	8,968	8,987	8,835	-0.2	+1.7	+9.9	8,817	9,118	8,731	6,829	+29.1	98,015	80,403
Transportation equipment	41,835	39,484	35,231	+6.0	+12.1	-9.4	41,259	39,944	38,179	34,582	+19.3	452,616	392,194
Aircraft, missiles, space vehicles, and parts	6,402	8,700	5,970	-26.4	+45.7	-16.4	9,368	8,704	6,193	8,255	+13.5	88,323	79,622
Shipbuilding and tanks	3,753	437	528	+758.8	-17.2	-62.9	3,856	410	537	586	+558.0	11,076	9,956
Instruments and related products	11,082	10,739	11,183	+3.2	-4.0	+6.2	12,655	10,668	11,402	11,581	+9.3	128,935	124,777
Search and navigation equipment	2,248	2,012	2,372	+11.7	-15.2	-1.2	3,282	1,952	2,572	2,973	+10.4	27,137	29,194
Measuring and controlling devices	3,559	3,445	3,301	+3.3	+4.4	+6.9	3,757	3,388	3,307	3,236	+16.1	39,183	34,838
Medical instruments and supplies	2,966	3,007	3,069	-1.4	-2.0	+13.7	3,199	2,979	2,989	3,024	+5.8	34,922	34,440
All other durable goods	16,680	16,772	16,800	-0.5	-0.2	+1.1	14,809	16,356	17,569	14,255	+3.9	195,047	178,778
Nondurable goods industries	136,849	134,395	131,835	+1.8	+1.9	0.0	131,200	134,226	136,223	118,263	+10.9	1,560,454	1,469,141
With unfilled orders	34,027	33,702	32,760	+1.0	+2.9	+0.1	32,909	33,833	33,999	29,268	+12.4	385,770	353,970

[p] Preliminary. [r] Revised.

[1] Shipments and new orders are the totals for the period and are adjusted for trading-day and calendar-month variations.

(n) When new orders for a prior month are negative because of cancellations, the percentage change calculation is algebraically negative, even though there is a net dollar increase from the prior month to the current month.

Note : Estimates of manufacturers' shipments, inventories and orders are subject to survey variability and revision. Since the survey panel is not a probability sample, estimates of sampling variability cannot be calculated. Further details on survey design, methodology, and data limitation are contained in our most recent annual benchmark publication, Current Industrial Reports: M3-1(92), "Manufacturers' Shipments, Inventories, and Orders: 1982-1992."

Table 3. VALUE OF MANUFACTURERS' UNFILLED ORDERS FOR INDUSTRY GROUPS
(Millions of dollars)

Industry	Seasonally adjusted						Not seasonally adjusted				
	Monthly			Percent Change			Monthly				Percent change
	Dec. 1994[p]	Nov. 1994[r]	Oct. 1994	Nov.-Dec.	Oct.-Nov.	Sept.-Oct.	Dec. 1994[p]	Nov. 1994[r]	Oct. 1994	Dec. 1993	Dec. 94/93
All manufacturing industries	456,635	453,378	450,853	+0.7	+0.6	+0.4	451,581	447,692	446,834	438,358	+3.0
Manufacturing industries without defense capital goods	344,110	343,787	340,030	+0.1	+1.1	+0.9	338,763	339,260	336,858	321,220	+5.5
Durable goods industries	431,195	428,295	426,266	+0.7	+0.5	+0.4	427,462	423,695	422,569	417,627	+2.4
Stone, clay, and glass products	7,961	7,739	7,481	+2.9	+3.4	+2.1	7,514	7,438	7,387	6,819	+10.2
Primary metals	29,126	28,482	27,993	+2.3	+1.7	+3.9	27,901	26,609	26,307	21,548	+29.5
Blast furnaces, steel mills	11,299	11,420	11,448	-1.1	-0.2	+1.7	10,644	10,652	10,689	9,712	+9.6
Iron and steel foundries	3,766	3,523	3,498	+6.9	+0.7	+0.2	3,702	3,441	3,475	3,043	+21.7
Nonferrous and other primary metals	14,061	13,539	13,047	+3.9	+3.8	+6.9	13,555	12,516	12,143	8,793	+54.2
Fabricated metal products	20,601	20,593	20,462	0.0	+0.6	-0.5	20,427	20,157	20,278	20,046	+1.9
Industrial machinery and equipment	67,712	67,976	66,290	-0.4	+2.5	+2.8	67,504	68,344	66,158	52,978	+27.4
Engines and turbines	10,238	10,971	10,802	-6.7	+1.6	+1.8	10,623	11,407	11,175	10,139	+4.8
Construction, mining and material handling equipment	7,102	7,117	6,985	-0.2	+1.9	+2.3	7,017	7,051	6,883	5,791	+21.2
Metalworking machinery	9,701	9,590	9,411	+1.2	+1.9	-0.9	9,701	9,590	9,411	7,335	+32.3
Computer and office equipment	11,572	11,584	11,471	-0.1	+1.0	+7.5	11,202	12,074	11,779	7,251	+54.5
Electronic and other electrical equipment	47,023	46,140	45,834	+1.9	+0.7	+0.8	46,140	45,703	45,342	44,438	+3.8
Electrical transmission and distribution equipment and industrial apparatus	5,786	5,895	6,029	-1.8	-2.2	+2.9	5,741	5,914	6,012	5,770	-0.5
Electric lighting and wiring equipment	3,640	3,620	3,679	+0.6	-1.6	+3.3	3,640	3,620	3,679	3,237	+12.4
Communications equipment	14,998	14,213	14,153	+5.5	+0.4	-2.6	15,004	14,246	14,207	15,032	-0.2
Electronic components	16,491	16,569	16,251	-0.5	+2.0	+2.5	15,914	16,080	15,647	15,104	+5.4
Transportation equipment	203,182	201,318	201,709	+0.9	-0.2	-1.0	202,980	200,111	200,604	213,476	-4.9
Aircraft, missiles, space vehicles, and parts	170,806	172,497	172,415	-1.0	0.0	-1.2	170,713	171,488	171,466	184,025	-7.2
Shipbuilding and tanks	18,971	15,970	16,347	+18.8	-2.3	-1.9	18,911	15,980	16,362	19,296	-2.0
Instruments and related products	47,604	47,865	48,285	-0.5	-0.9	+0.5	47,959	47,648	48,339	51,394	-6.7
Search and navigation equipment	31,275	31,427	31,769	-0.5	-1.1	-0.2	31,655	31,244	31,817	34,290	-7.7
Measuring and controlling devices	9,230	9,148	9,088	+0.9	+0.7	+1.9	9,230	9,148	9,088	8,832	+4.5
Medical instruments and supplies	6,304	6,483	6,556	-2.8	-1.1	+0.8	6,304	6,483	6,556	7,456	-15.5
All other durable goods	7,986	8,182	8,212	-2.4	-0.4	+1.1	7,037	7,685	8,154	6,928	+1.6
Nondurable goods industries	25,440	25,083	24,587	+1.4	+2.0	+1.8	24,119	23,997	24,265	20,731	+16.3

[p] Preliminary. [r] Revised.

See note at end of table 2 relating to survey variability.

Table 4. VALUE OF MANUFACTURERS' INVENTORIES FOR INDUSTRY GROUPS
(Millions of dollars)

Industry	Seasonally adjusted						Not seasonally adjusted				
	Monthly			Percent Change			Monthly				Percent change
	Dec. 1994[p]	Nov. 1994[r]	Oct. 1994	Nov.-Dec.	Oct.-Nov.	Sept.-Oct.	Dec. 1994[p]	Nov. 1994[r]	Oct. 1994	Dec. 1993	Dec. 94/93
All manufacturing industries	391,277	389,988	388,063	+0.3	+0.5	+0.4	383,849	390,592	389,437	370,419	+3.6
Manufacturing industries											
with unfilled orders	259,782	259,122	257,754	+0.3	+0.5	+0.5	252,973	259,074	258,333	242,681	+4.2
without defense capital goods	368,580	367,033	364,692	+0.4	+0.6	+0.5	362,093	367,459	365,775	344,821	+5.0
Durable goods industries	247,263	246,374	244,925	+0.4	+0.6	+0.5	241,681	246,942	245,468	230,853	+4.7
With unfilled orders	225,956	225,287	224,038	+0.3	+0.6	+0.5	220,244	225,732	224,862	210,533	+4.6
Stone, clay, and glass products	7,666	7,568	7,531	+1.3	+0.5	+0.4	7,537	7,367	7,307	7,351	+2.5
Primary metals	20,632	20,463	20,176	+0.8	+1.4	+1.5	20,686	20,479	20,264	19,432	+6.5
Blast furnaces, steel mills	9,769	9,756	9,704	+0.1	+0.5	+1.3	10,023	9,883	9,768	9,721	+3.1
Iron and steel foundries	1,602	1,589	1,556	+0.8	+2.1	+1.3	1,578	1,554	1,525	1,389	+13.6
Nonferrous and other primary metals	9,261	9,118	8,916	+1.6	+2.3	+1.9	9,085	9,042	8,971	8,322	+9.2
Fabricated metal products	24,203	23,847	23,679	+1.5	+0.7	+0.2	23,809	23,508	23,408	22,627	+5.2
Industrial machinery and equipment	49,652	49,700	49,273	-0.1	+0.9	+0.6	48,279	50,366	49,801	44,946	+7.4
Engines and turbines	3,835	3,728	3,679	+2.9	+1.3	-2.7	3,477	3,900	3,871	3,089	+12.6
Farm and garden machinery	2,832	2,726	2,649	+3.9	+2.9	+0.8	3,002	2,815	2,600	2,577	+16.5
Construction, mining and material handling equipment	6,175	6,194	6,033	-0.3	+2.7	+1.7	6,045	6,134	5,958	5,488	+10.1
Metalworking machinery	5,720	5,629	5,594	+1.6	+0.6	0.0	5,508	5,645	5,657	5,044	+9.2
Computer and office equipment	10,974	11,358	11,423	-3.4	-0.6	+1.8	10,403	11,748	11,799	10,599	-1.8
Electronic and other electrical equipment	40,154	39,699	39,121	+1.1	+1.5	+1.8	38,879	39,456	39,079	32,561	+19.4
Electrical transmission and distribution equipment and industrial apparatus	4,689	4,645	4,611	+0.9	+0.7	+1.5	4,542	4,650	4,620	4,022	+12.9
Household appliances	2,765	2,797	2,772	-1.1	+0.9	+2.0	2,555	2,683	2,652	2,395	+6.7
Electric lighting and wiring equipment	3,076	3,050	3,032	+0.9	+0.6	+1.0	2,938	3,033	3,045	2,773	+6.0
Household audio and video equipment	1,292	1,261	1,207	+2.5	+4.5	-1.3	1,220	1,200	1,211	971	+25.6
Communications equipment	12,422	12,078	11,797	+2.8	+2.4	+2.3	12,068	11,977	11,743	8,866	+36.1
Electronic components	12,451	12,405	12,231	+0.4	+1.4	+2.1	12,239	12,504	12,325	10,458	+17.0
Transportation equipment	58,593	58,820	59,131	-0.4	-0.5	-0.5	57,198	59,697	59,683	60,053	-4.8
Motor vehicles and parts	12,020	11,913	11,804	+0.9	+0.9	-0.2	11,950	12,231	12,012	11,495	+4.0
Aircraft, missiles, space vehicles, and parts	42,197	42,557	43,103	-0.8	-1.3	-1.0	40,920	43,151	43,541	44,583	-8.2
Shipbuilding and tanks	1,521	1,485	1,483	+2.4	+0.1	+7.6	1,451	1,439	1,439	1,497	-3.1
Instruments and related products	21,930	21,962	21,879	-0.1	+0.4	-0.2	21,280	22,067	22,000	21,411	-0.6
Search and navigation equipment	5,614	5,544	5,486	+1.3	+1.1	-0.8	5,434	5,552	5,544	5,623	-3.4
Measuring and controlling devices	6,705	6,668	6,620	+0.6	+0.7	+0.2	6,564	6,693	6,622	6,337	+3.6
Medical instruments and supplies	6,198	6,207	6,226	-0.1	-0.3	-0.1	6,062	6,271	6,277	6,020	+0.7
Photographic goods	2,503	2,651	2,672	-5.6	-0.8	-0.5	2,325	2,662	2,694	2,646	-12.1
All other durable goods	24,433	24,315	24,135	+0.5	+0.7	+0.4	24,013	24,002	23,926	22,472	+6.9
Nondurable goods industries	144,014	143,614	143,138	+0.3	+0.3	+0.3	142,168	143,650	143,969	139,566	+1.9
With unfilled orders	33,826	33,835	33,716	0.0	+0.4	+0.7	32,729	33,342	33,471	32,148	+1.8
Food and kindred products	30,894	30,923	31,174	-0.1	-0.8	+0.4	31,220	32,416	32,900	30,451	+2.5
Meat products	3,401	3,371	3,417	+0.9	-1.3	-1.3	3,197	3,383	3,404	3,052	+4.8
Dairy products	2,812	2,765	2,744	+1.7	+0.8	+1.0	2,643	2,680	2,737	2,553	+3.5
Beverages	5,143	5,254	5,307	-2.1	-1.0	+0.1	5,148	5,338	5,383	5,353	-3.8
All other foods, except fats and oils	17,876	17,910	18,058	-0.2	-0.8	+0.9	18,502	19,285	19,670	17,698	+4.5
Tobacco products	5,816	5,738	5,621	+1.4	+2.1	-1.6	5,967	5,683	5,669	6,513	-8.4
Textile mill products	9,795	9,805	9,712	-0.1	+1.0	+0.8	9,307	9,525	9,480	8,984	+3.6
Broadwoven fabrics and other textiles	5,443	5,462	5,452	-0.3	+0.2	+0.8	5,225	5,397	5,357	5,129	+1.9
Paper and allied products	13,534	13,514	13,509	+0.1	0.0	-0.3	13,393	13,349	13,247	13,366	+0.2
Pulp, paper, and paperboard mill products	5,356	5,421	5,459	-1.2	-0.7	-1.1	5,292	5,330	5,334	5,758	-8.1
Paperboard containers and boxes	3,473	3,443	3,391	+0.9	+1.5	+1.2	3,504	3,389	3,306	3,139	+11.6
Miscellaneous converted paper products	4,705	4,650	4,659	+1.2	-0.2	-0.4	4,597	4,630	4,607	4,469	+2.9
Chemicals and allied products	34,300	34,000	33,882	+0.9	+0.3	-0.3	34,108	33,829	33,612	34,091	0.0
Industrial chemicals	16,535	16,320	16,173	+1.3	+0.9	+0.9	16,667	16,181	16,000	16,717	-0.3
Drugs, soaps, and toiletries	13,277	13,247	13,292	+0.2	-0.3	-2.0	12,852	13,239	13,287	12,963	-0.9
Petroleum and coal products	10,480	10,450	10,359	+0.3	+0.9	+0.5	10,086	10,650	10,672	9,630	+4.7
Rubber and plastics products	12,970	12,828	12,801	+1.1	+0.2	+1.4	13,008	12,760	12,614	12,239	+6.3
All other nondurable goods	26,225	26,356	26,080	-0.5	+1.1	+0.8	25,079	25,438	25,775	24,292	+3.2

[p] Preliminary. [r] Revised.

See note at end of table 2 relating to survey variability.

Table 5. VALUE OF MANUFACTURERS' SHIPMENTS AND NEW ORDERS FOR TOPICAL SERIES[1]
(Millions of dollars)

Industry	Seasonally adjusted						Not seasonally adjusted [2]						
	Monthly			Percent Change			Monthly				Percent change	Year to date	
	Dec. 1994[p]	Nov. 1994[r]	Oct. 1994	Nov.-Dec.	Oct.-Nov.	Sept.-Oct.	Dec. 1994[p]	Nov. 1994[r]	Oct. 1994	Dec. 1993	Dec. 94/93	1994[p]	1993
SHIPMENTS													
All manufacturing industries	295,319	291,191	283,975	+1.4	+2.5	-0.8	289,514	292,557	294,142	262,967	+10.1	3,369,445	3,102,239
Market categories :													
Automotive equipment	14,919	14,708	13,605	+1.4	+8.1	-5.3	13,080	15,022	15,026	11,521	+13.5	167,150	143,789
Home goods and apparel	19,712	19,124	19,462	+3.1	-1.7	-0.5	17,026	20,193	22,118	15,339	+11.0	228,432	211,530
Consumer staples	60,913	59,965	58,977	+1.6	+1.7	-0.1	61,289	60,656	60,709	57,729	+6.2	706,612	683,790
Machinery and equipment	51,947	51,572	50,044	+0.7	+3.1	-1.9	56,693	51,474	49,965	52,955	+7.1	594,317	530,543
Business supplies	22,001	21,722	20,966	+1.3	+3.6	-2.1	21,327	22,144	22,202	18,880	+13.0	252,348	234,064
Construction materials and supplies	18,891	18,745	18,357	+0.8	+2.1	+1.0	17,150	18,533	19,342	15,842	+8.3	216,219	198,732
Defense products	6,786	7,308	7,279	-7.1	+0.4	+1.4	7,945	7,537	7,173	8,261	-3.8	87,225	91,375
Other materials, supplies and and intermediate products	100,150	98,047	95,285	+2.1	+2.9	-0.1	95,004	96,998	97,607	82,440	+15.2	1,117,142	1,008,416
Durable goods industries :													
Nondefense capital goods [3]	38,998	38,933	38,143	+0.2	+2.1	-0.9	45,644	38,472	36,601	43,100	+5.9	447,591	402,517
Excluding aircraft and parts	34,364	34,110	33,655	+0.7	+1.4	+0.1	39,775	33,767	32,416	35,927	+10.7	390,256	337,688
Defense capital goods [4]	6,339	6,799	6,768	-6.8	+0.5	+1.3	7,746	7,150	6,658	8,091	-4.3	82,039	88,162
Durables excluding capital goods	113,490	111,560	107,675	+1.7	+3.6	-1.4	105,046	112,441	114,298	93,733	+12.1	1,282,749	1,141,089
Miscellaneous series :													
Producers' durable equipment	101,356	100,738	97,049	+0.6	+3.8	-2.5	102,776	101,646	100,222	95,169	+8.0	1,165,096	1,039,919
Household durable goods	8,391	8,226	8,251	+2.0	-0.3	-0.5	7,797	8,780	9,245	7,156	+9.0	97,082	89,311
Information technology industries	19,201	19,131	18,467	+0.4	+3.6	0.0	23,956	19,277	17,262	21,299	+12.5	214,980	185,178
Health care equipment and products	8,730	8,739	8,601	-0.1	+1.6	+0.3	9,061	8,628	8,490	9,034	+0.3	102,372	99,086
NEW ORDERS													
All manufacturing industries	298,576	293,716	285,985	+1.7	+2.7	-0.4	293,403	293,415	295,062	260,358	+12.7	3,382,668	3,068,411
Market categories :													
Automotive equipment	14,968	14,725	13,613	+1.7	+8.2	-5.2	13,132	15,032	15,041	11,574	+13.5	167,399	144,106
Home goods and apparel	19,661	19,038	19,343	+3.3	-1.6	-0.8	16,545	19,169	21,352	15,062	+9.8	228,337	211,602
Consumer staples	60,878	60,026	58,992	+1.4	+1.8	0.0	61,310	60,693	60,694	57,806	+6.1	706,760	683,828
Machinery and equipment	50,945	53,251	50,181	-4.3	+6.1	-1.7	55,141	53,543	50,355	50,548	+9.1	595,169	513,260
Business supplies	21,963	21,801	21,186	+0.7	+2.9	-0.6	21,351	22,130	22,277	18,954	+12.6	252,717	233,744
Construction materials and supplies	19,053	18,897	18,713	+0.8	+1.0	+2.6	17,331	18,504	19,409	15,738	+10.1	217,780	198,282
Defense products	9,768	6,093	6,208	+60.3	-1.9	-15.6	12,567	6,130	6,963	8,079	+55.6	83,358	78,947
Other materials, supplies and and intermediate products	101,340	99,885	97,749	+1.5	+2.2	+1.3	96,026	98,214	98,971	82,597	+16.3	1,131,148	1,004,642
Durable goods industries :													
Nondefense capital goods [3]	37,988	40,781	38,276	-6.8	+6.5	-2.0	43,992	40,904	37,233	41,014	+7.3	450,488	382,670
Excluding aircraft and parts	35,005	35,312	35,651	-0.9	-1.0	+0.8	39,774	35,553	34,911	37,307	+6.6	405,891	343,086
Defense capital goods [4]	9,273	5,567	5,811	+66.6	-4.2	-16.3	12,132	5,606	6,591	7,951	+52.6	77,719	75,520
Durables excluding capital goods	114,466	112,973	110,063	+1.3	+2.6	+0.6	106,079	112,679	115,015	93,130	+13.9	1,294,007	1,141,080
Miscellaneous series :													
Producers' durable equipment	101,040	102,757	98,393	-1.7	+4.4	-0.9	101,481	103,325	101,479	92,472	+9.7	1,172,908	1,027,688
Household durable goods	8,382	8,252	8,323	+1.6	-0.9	-1.4	7,480	8,308	8,952	6,948	+7.7	97,492	89,720
Information technology industries	19,915	19,289	19,257	+3.2	+0.2	-0.9	23,815	19,609	18,221	20,586	+15.7	219,806	186,148
Health care equipment and products	8,550	8,666	8,650	-1.3	+0.2	+4.3	8,880	8,554	8,539	8,714	+1.9	101,219	98,118

[p] Preliminary. [r] Revised.

[1] Topical series are regroupings of the separate industry categories.

[2] Shipments and new orders are the totals for the period and are adjusted for trading-day and calendar-month variations.

[3] Nondefense capital goods industries include : ordnance and accessories; steam, gas and hydraulic turbines; internal combustion engines; construction, mining, and mat handling equipment; metalworking machinery; special industry machinery; general industrial machinery; computer and office equipment; refrigeration, heating and se industry machinery; electrical transmission and distribution equipment; electrical industrial apparatus; communications equipment; aircraft, missiles. space vehicles, and en and parts; ships and tank components; railroad equipment; and search and navigation equipment.

[4] Defense capital goods industries include : ordnance and accessories; communications equipment; aircraft, missiles, space vehicles, and engines and parts; ships, and tank components; and search and navigation equipment.

See note at end of table 2 relating to survey variability.

Table 6. VALUE OF MANUFACTURERS' UNFILLED ORDERS AND TOTAL INVENTORIES FOR TOPICAL SERIES[1]
(Millions of dollars)

Industry	Seasonally adjusted						Not seasonally adjusted				
	Monthly			Percent Change			Monthly				Percent change
	Dec. 1994[p]	Nov. 1994[r]	Oct. 1994	Nov.-Dec.	Oct.-Nov.	Sept.-Oct.	Dec. 1994[p]	Nov. 1994[r]	Oct. 1994	Dec. 1993	Dec. 94/93
UNFILLED ORDERS											
All manufacturing industries	456,635	453,378	450,853	+0.7	+0.6	+0.4	451,581	447,692	446,834	438,358	+3.0
Market categories :											
Automotive equipment	2,170	2,121	2,104	+2.3	+0.8	+0.3	2,152	2,099	2,089	1,902	+13.1
Home goods and apparel	10,122	10,173	10,259	-0.5	-0.8	-1.1	8,568	9,048	10,072	8,663	-1.1
Consumer staples	1,573	1,608	1,547	-2.2	+3.9	+1.0	1,626	1,605	1,568	1,476	+10.2
Machinery and equipment	181,710	182,713	181,033	-0.5	+0.9	+0.1	181,076	182,627	180,558	180,222	+0.5
Business supplies	5,829	5,867	5,788	-0.6	+1.4	+4.0	5,735	5,712	5,726	5,368	+6.8
Construction materials and supplies	15,837	15,674	15,522	+1.0	+1.0	+2.4	15,437	15,256	15,285	13,876	+11.2
Defense products	106,525	103,543	104,758	+2.9	-1.2	-1.0	107,043	102,422	103,829	110,908	-3.5
Other materials, supplies and and intermediate products	132,869	131,679	129,842	+0.9	+1.4	+1.9	129,944	128,923	127,707	115,943	+12.1
Durable goods industries :											
Nondefense capital goods [3]	200,508	201,518	199,670	-0.5	+0.9	+0.1	200,234	201,886	199,454	197,337	+1.5
Excluding aircraft and parts	91,567	90,926	89,724	+0.7	+1.3	+2.3	91,293	91,294	89,508	75,658	+20.7
Defense capital goods [4]	112,525	109,591	110,823	+2.7	-1.1	-0.9	112,818	108,432	109,976	117,138	-3.7
Durables excluding capital goods	118,162	117,186	115,773	+0.8	+1.2	+2.1	114,410	113,377	113,139	103,152	+10.9
Miscellaneous series :											
Producers' durable equipment	215,703	216,019	214,000	-0.1	+0.9	+0.6	213,955	215,250	213,571	206,143	+3.8
Household durable goods	6,179	6,188	6,162	-0.1	+0.4	+1.2	5,245	5,562	6,034	4,835	+8.5
Information technology industries	37,293	36,579	36,421	+2.0	+0.4	+2.2	36,912	37,053	36,721	32,086	+15.0
Health care equipment and products	6,335	6,514	6,588	-2.7	-1.1	+0.7	6,334	6,515	6,589	7,485	-15.4
TOTAL INVENTORIES											
All manufacturing industries	391,277	389,988	388,063	+0.3	+0.5	+0.4	383,849	390,592	389,437	370,419	+3.6
Market categories :											
Automotive equipment	6,307	6,245	6,199	+1.0	+0.7	+0.5	6,256	6,358	6,197	6,011	+4.1
Home goods and apparel	32,164	32,263	31,837	-0.3	+1.3	+0.4	30,814	30,904	31,042	29,136	+5.8
Consumer staples	58,275	58,133	58,161	+0.2	0.0	-0.3	57,921	59,476	59,955	57,474	+0.8
Machinery and equipment	95,065	94,747	93,871	+0.3	+0.9	+0.5	92,370	95,676	94,432	85,305	+8.3
Business supplies	21,701	21,552	21,411	+0.7	+0.7	+1.0	21,042	21,478	21,559	20,385	+3.2
Construction materials and supplies	25,427	25,073	24,956	+1.4	+0.5	+0.4	24,859	24,638	24,658	23,398	+6.2
Defense products	21,968	22,171	22,510	-0.9	-1.5	-0.7	21,163	22,271	22,756	24,446	-13.4
Other materials, supplies and and intermediate products	130,370	129,804	129,118	+0.4	+0.5	+0.7	129,424	129,791	128,838	124,264	+4.2
Durable goods industries :											
Nondefense capital goods [3]	89,521	89,280	88,546	+0.3	+0.8	+0.6	86,794	90,103	89,240	79,937	+8.6
Excluding aircraft and parts	63,465	63,172	62,382	+0.5	+1.3	+1.2	61,275	63,655	62,911	54,501	+12.4
Defense capital goods [4]	22,697	22,955	23,371	-1.1	-1.8	-0.7	21,756	23,133	23,662	25,598	-15.0
Durables excluding capital goods	135,045	134,139	133,008	+0.7	+0.9	+0.6	133,131	133,706	132,566	125,318	+6.2
Miscellaneous series :											
Producers' durable equipment	153,032	152,397	151,028	+0.4	+0.9	+0.5	149,117	153,102	151,574	138,281	+7.8
Household durable goods	14,253	14,199	14,001	+0.4	+1.4	+0.1	13,662	13,803	13,854	12,884	+6.0
Information technology industries	33,308	33,373	33,143	-0.2	+0.7	+1.2	32,047	33,757	33,542	29,335	+9.2
Health care equipment and products	13,420	13,412	13,454	+0.1	-0.3	-1.1	13,057	13,471	13,501	13,061	0.0

See footnotes at end of table 5.

See note at end of table 2 relating to survey variability.

Table 7. VALUE OF MANUFACTURERS' INVENTORIES, BY STAGE OF FABRICATION, BY INDUSTRY GROUP
(Millions of dollars)

Industry	Seasonally adjusted						Not seasonally adjusted				
	Monthly			Percent Change			Monthly				Percent change
	Dec. 1994[p]	Nov. 1994[r]	Oct. 1994	Nov.-Dec.	Oct.-Nov.	Sept.-Oct.	Dec. 1994[p]	Nov. 1994[r]	Oct. 1994	Dec. 1993	Dec. 94/93
MATERIALS AND SUPPLIES											
All manufacturing industries	127,528	127,004	125,903	+0.4	+0.9	+0.5	128,384	127,293	126,489	121,135	+6.0
Durable goods industries	74,772	74,404	73,367	+0.5	+1.4	+0.9	75,043	74,877	73,898	68,607	+9.4
Stone, clay, and glass products	2,620	2,612	2,607	+0.3	+0.2	-0.3	2,645	2,599	2,599	2,540	+4.1
Primary metals	6,386	6,333	6,281	+0.8	+0.8	+1.8	6,692	6,477	6,419	6,246	+7.1
Fabricated metal products	8,467	8,342	8,266	+1.5	+0.9	+1.0	8,744	8,343	8,214	8,260	+5.9
Industrial machinery and equipment	16,766	16,852	16,285	-0.5	+3.5	+0.3	16,534	16,987	16,422	14,051	+17.7
Electronic and other electrical equipment	13,123	12,891	12,724	+1.8	+1.3	+2.8	13,024	12,800	12,738	10,430	+24.9
Transportation equipment	10,851	10,937	10,864	-0.8	+0.7	-0.3	10,758	11,048	10,881	11,132	-3.4
Instruments and related products	6,872	6,798	6,756	+1.1	+0.6	+0.9	6,773	6,752	6,728	6,639	+2.0
Lumber, furniture and miscellaneous durable goods	9,687	9,639	9,584	+0.5	+0.6	+0.6	9,873	9,871	9,897	9,309	+6.1
Nondurable goods industries	52,756	52,600	52,536	+0.3	+0.1	-0.1	53,341	52,416	52,591	52,528	+1.5
Food and kindred products	10,018	10,182	10,325	-1.6	-1.4	+1.0	10,250	10,488	10,560	10,289	-0.4
Tobacco products	4,746	4,719	4,726	+0.6	-0.1	-1.8	5,007	4,552	4,620	5,545	-9.7
Textile mill products	2,898	2,912	2,842	-0.5	+2.5	+1.4	2,836	2,810	2,740	2,619	+8.3
Paper and allied products	6,883	6,858	6,829	+0.4	+0.4	+0.2	6,961	6,847	6,820	6,775	+2.7
Chemicals and allied products	11,468	11,327	11,272	+1.2	+0.5	-0.3	11,486	11,252	11,276	11,287	+1.8
Petroleum and coal products	2,895	2,891	2,978	+0.1	-2.9	-2.3	2,873	2,870	3,048	2,914	-1.4
Rubber and plastics products	4,844	4,783	4,731	+1.3	+1.1	+1.2	4,991	4,800	4,726	4,534	+10.1
Apparel, printing and publishing and leather goods	9,004	8,928	8,833	+0.9	+1.1	-0.7	8,937	8,797	8,801	8,565	+4.3
WORK IN PROCESS											
All manufacturing industries	128,733	129,152	129,241	-0.3	-0.1	-0.1	124,774	130,297	130,990	124,856	-0.1
Durable goods industries	104,782	104,954	105,215	-0.2	-0.2	-0.2	101,438	105,787	106,393	102,121	-0.7
Stone, clay, and glass products	1,140	1,066	1,047	+6.9	+1.8	+4.3	1,078	996	1,001	969	+11.2
Primary metals	7,478	7,516	7,424	-0.5	+1.2	+0.9	7,342	7,476	7,446	7,116	+3.2
Fabricated metal products	7,813	7,616	7,559	+2.6	+0.8	+0.1	7,551	7,534	7,586	7,162	+5.4
Industrial machinery and equipment	18,296	18,584	18,667	-1.5	-0.4	-1.0	17,459	19,272	19,310	17,835	-2.1
Electronic and other electrical equipment	16,237	16,044	15,879	+1.2	+1.0	+1.0	15,609	16,011	15,960	13,485	+15.8
Transportation equipment	39,502	39,799	40,343	-0.7	-1.3	-0.6	38,568	40,240	40,730	41,818	-7.8
Instruments and related products	9,139	9,190	9,140	-0.6	+0.5	-0.6	8,797	9,256	9,266	9,033	-2.6
Lumber, furniture and miscellaneous durable goods	5,177	5,139	5,156	+0.7	-0.3	-0.6	5,034	5,002	5,094	4,703	+7.0
Nondurable goods industries	23,951	24,198	24,026	-1.0	+0.7	+0.5	23,336	24,510	24,597	22,735	+2.6
Food and kindred products	4,116	4,106	4,212	+0.2	-2.5	0.0	4,376	4,443	4,691	4,289	+2.0
Tobacco products	166	209	190	-20.6	+10.0	-1.0	162	318	266	162	0.0
Textile mill products	2,488	2,552	2,558	-2.5	-0.2	+0.3	2,382	2,527	2,548	2,493	-4.5
Paper and allied products	1,209	1,218	1,217	-0.7	+0.1	+1.6	1,195	1,192	1,168	1,169	+2.2
Chemicals and allied products	5,473	5,439	5,413	+0.6	+0.5	-1.6	5,323	5,441	5,426	5,633	-5.5
Petroleum and coal products	2,352	2,353	2,285	0.0	+3.0	+2.7	2,190	2,364	2,359	1,941	+12.8
Rubber and plastics products	1,926	1,903	1,876	+1.2	+1.4	+0.6	1,925	1,957	1,917	1,777	+8.3
Apparel, printing and publishing and leather goods	6,221	6,418	6,275	-3.1	+2.3	+1.8	5,783	6,268	6,222	5,271	+9.7
FINISHED GOODS											
All manufacturing industries	135,016	133,832	132,919	+0.9	+0.7	+0.8	130,691	133,002	131,958	124,428	+5.0
Durable goods industries	67,709	67,016	66,343	+1.0	+1.0	+1.1	65,200	66,278	65,177	60,125	+8.4
Stone, clay, and glass products	3,906	3,890	3,877	+0.4	+0.3	-0.1	3,814	3,772	3,707	3,842	-0.7
Primary metals	6,768	6,614	6,471	+2.3	+2.2	+2.1	6,652	6,526	6,399	6,070	+9.6
Fabricated metal products	7,923	7,889	7,854	+0.4	+0.4	-0.6	7,514	7,631	7,608	7,205	+4.3
Industrial machinery and equipment	14,590	14,264	14,321	+2.3	-0.4	+3.0	14,286	14,107	14,069	13,060	+9.4
Electronic and other electrical equipment	10,794	10,764	10,518	+0.3	+2.3	+1.7	10,246	10,645	10,381	8,646	+18.5
Transportation equipment	8,240	8,084	7,924	+1.9	+2.0	0.0	7,872	8,409	8,072	7,103	+10.8
Instruments and related products	5,919	5,974	5,983	-0.9	-0.2	-0.9	5,710	6,059	6,006	5,739	-0.5
Lumber, furniture and miscellaneous durable goods	9,569	9,537	9,395	+0.3	+1.5	+0.7	9,106	9,129	8,935	8,460	+7.6
Nondurable goods industries	67,307	66,816	66,576	+0.7	+0.4	+0.5	65,491	66,724	66,781	64,303	+1.8
Food and kindred products	16,760	16,635	16,637	+0.8	0.0	+0.2	16,594	17,485	17,649	15,873	+4.5
Tobacco products	904	810	705	+11.6	+14.9	-0.4	798	813	783	806	-1.0
Textile mill products	4,409	4,341	4,312	+1.6	+0.7	+0.7	4,089	4,188	4,192	3,872	+5.6
Paper and allied products	5,442	5,438	5,463	+0.1	-0.5	-1.3	5,237	5,310	5,259	5,422	-3.4
Chemicals and allied products	17,359	17,234	17,197	+0.7	+0.2	+0.1	17,299	17,136	16,910	17,171	+0.7
Petroleum and coal products	5,233	5,206	5,096	+0.5	+2.2	+1.2	5,023	5,416	5,265	4,775	+5.2
Rubber and plastics products	6,200	6,142	6,194	+0.9	-0.8	+1.8	6,092	6,003	5,971	5,928	+2.8
Apparel, printing and publishing and leather goods	11,000	11,010	10,972	-0.1	+0.3	+1.5	10,359	10,373	10,752	10,456	-0.9

[p] Preliminary. [r] Revised.

See note at end of table 2 relating to survey variability.

Table 8. RATIOS OF MANUFACTURES' INVENTORIES TO SHIPMENTS AND UNFILLED ORDERS TO SHIPMENTS, BY INDUSTRY GROUP
(Based on seasonally adjusted data)

Industry	Inventory / Shipments ratio				Unfilled Orders / Shipments ratio[1]			
	Dec. 1994[p]	Nov. 1994[r]	Oct. 1994	Sept. 1994	Dec. 1994[p]	Nov. 1994[r]	Oct. 1994	Sept. 1994
All manufacturing industries	1.32	1.34	1.37	1.35	2.87	2.88	2.94	3.68
Durable goods industries	1.56	1.57	1.61	1.58	3.44	3.45	3.52	3.48
Stone, clay, and glass products	1.07	1.09	1.13	1.12	1.18	1.19	1.20	1.17
Primary metals	1.39	1.45	1.48	1.48	1.96	2.01	2.06	2.01
Fabricated metal products	1.60	1.53	1.56	1.54	1.48	1.43	1.46	1.45
Industrial machinery and equipment	1.72	1.75	1.72	1.72	2.50	2.55	2.48	2.42
Electronic and other electrical equipment	1.63	1.62	1.66	1.65	1.91	1.89	1.94	1.95
Transportation equipment	1.47	1.48	1.59	1.50	11.00	10.72	11.21	10.81
Instruments and related products	1.93	1.97	2.00	1.97	4.20	4.29	4.42	4.31
Nondurable goods industries	1.06	1.07	1.09	1.08	0.76	0.76	0.76	0.74
Food and kindred products	0.82	0.85	0.87	0.87	(X)	(X)	(X)	(X)
Tobacco products	2.24	2.17	2.01	2.26	(X)	(X)	(X)	(X)
Textile mill products	1.52	1.57	1.56	1.53	(NA)	(NA)	(NA)	(NA)
Paper and allied products	1.09	1.10	1.12	1.14	(NA)	(NA)	(NA)	(NA)
Chemicals and allied products	1.13	1.14	1.16	1.15	(X)	(X)	(X)	(X)
Petroleum and coal products	0.84	0.85	0.88	0.86	(X)	(X)	(X)	(X)
Rubber and plastics products	1.28	1.29	1.32	1.31	(X)	(X)	(X)	(X)

[p] Preliminary. [r] Revised. (X) Not applicable. (NA) Not available.

[1] Excludes the following industries with no unfilled orders : Wood and lumber products; glass containers; metal cans, barrels and drums; farm and garden machinery; motor vehicle assembly operations; other transportation equipment; foods and related products; tobacco; knitting mill products; apparel and related products; chemicals; petroleum and coal products; and rubber and plastics products.

Table 9. REVISIONS TO PREVIOUSLY PUBLISHED MONTHLY PERCENT CHANGES
(Based on seasonally adjusted data)

Industry	Shipments			New orders			Unfilled orders			Inventories		
	Dec.[1] 1994	Dec.[2] 1989-1993	Dec. 1993-Nov. 1994	Dec.[1] 1994	Dec.[2] 1989-1993	Dec. 1993-Nov. 1994	Dec.[1] 1994	Dec.[2] 1989-1993	Dec. 1993-Nov. 1994	Dec.[1] 1994	Dec.[2] 1989-1993	Dec. 1993-Nov. 1994
All manufacturing industries	(X)	0.2	0.1	(X)	0.4	0.2	(X)	0.2	0.1	(X)	0.1	0.0
Durable goods industries	0.3	0.3	0.2	0.1	0.5	0.2	0.0	0.1	0.1	(X)	0.1	0.1
Stone, clay, and glass products	(X)	0.6	0.7	(X)	0.8	0.9	(X)	0.3	0.5	(X)	0.1	0.1
Primary metals	0.4	0.6	0.5	0.5	1.3	0.8	0.0	0.7	0.4	(X)	0.1	0.2
Fabricated metal products	(X)	0.8	0.5	(X)	0.5	0.5	(X)	0.2	0.3	(X)	0.2	0.3
Industrial machinery and equipment	1.0	0.6	0.4	0.0	0.6	0.6	-0.5	0.1	0.2	(X)	0.2	0.1
Electronic and other electrical equipment	0.4	0.5	0.3	0.2	0.7	0.6	0.0	0.3	0.3	(X)	0.2	0.1
Transportation equipment	0.3	0.5	0.7	0.6	1.5	1.0	0.0	0.2	0.1	(X)	0.1	0.2
Instruments and related products	(X)	0.5	0.5	(X)	1.6	2.0	(X)	0.2	0.4	(X)	0.4	0.2
Nondurable goods industries	(X)	0.3	0.2	(X)	0.4	0.2	(X)	0.4	0.3	(X)	0.2	0.1
Food and kindred products	(X)	0.3	0.2	(X)	(X)	(X)	(X)	(X)	(X)	(X)	0.2	0.1
Tobacco products	(X)	0.1	0.2	(X)	(X)	(X)	(X)	(X)	(X)	(X)	0.0	0.0
Textile mill products	(X)	1.4	0.4	(X)	(NA)	(NA)	(X)	(NA)	(NA)	(X)	0.2	0.2
Paper and allied products	(X)	0.2	0.2	(X)	(NA)	(NA)	(X)	(NA)	(NA)	(X)	0.2	0.1
Chemicals and allied products	(X)	0.2	0.2	(X)	(X)	(X)	(X)	(X)	(X)	(X)	0.1	0.1
Petroleum and coal products	(X)	0.2	0.3	(X)	(X)	(X)	(X)	(X)	(X)	(X)	0.1	0.2
Rubber and plastics products	(X)	0.4	0.2	(X)	(X)	(X)	(X)	(X)	(X)	(X)	0.2	0.1
Capital goods industries :												
Nondefense	1.2	0.8	0.4	0.3	1.3	0.6	-0.2	0.3	0.1	(X)	0.1	0.1
Defense	-1.0	1.7	0.5	1.6	3.1	5.0	0.3	0.1	0.2	(X)	0.2	0.4

(X) Not applicable. (NA) Not available.

Note : The five year and the twelve month revisions are the differences between the month-to-month percent changes of the preliminary and final estimates. The monthly averages are the simple averages of the absolute values of the differences for the months specified. The advance to final percent change revisions for the durable goods industries are shown in the advance report for the month.

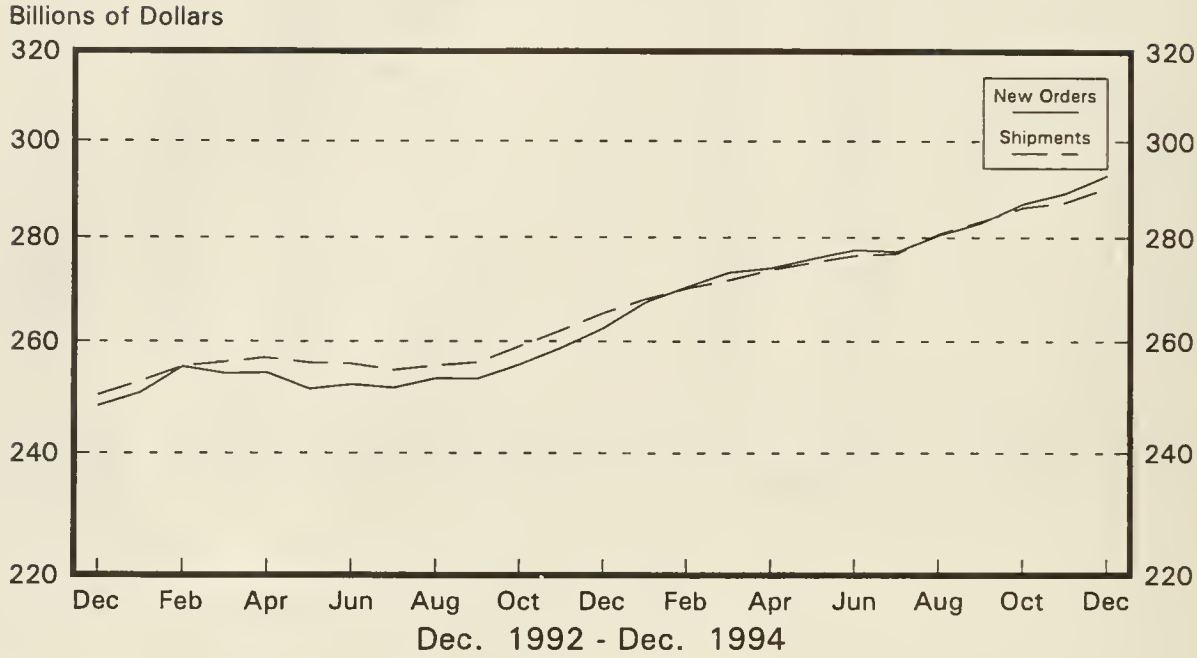
[1] The current month revisions are the difference between the advance percent change and the percent change as shown in this publication.

[2] Average for this month for the last five years.

See note at end of table 2 relating to survey variability.

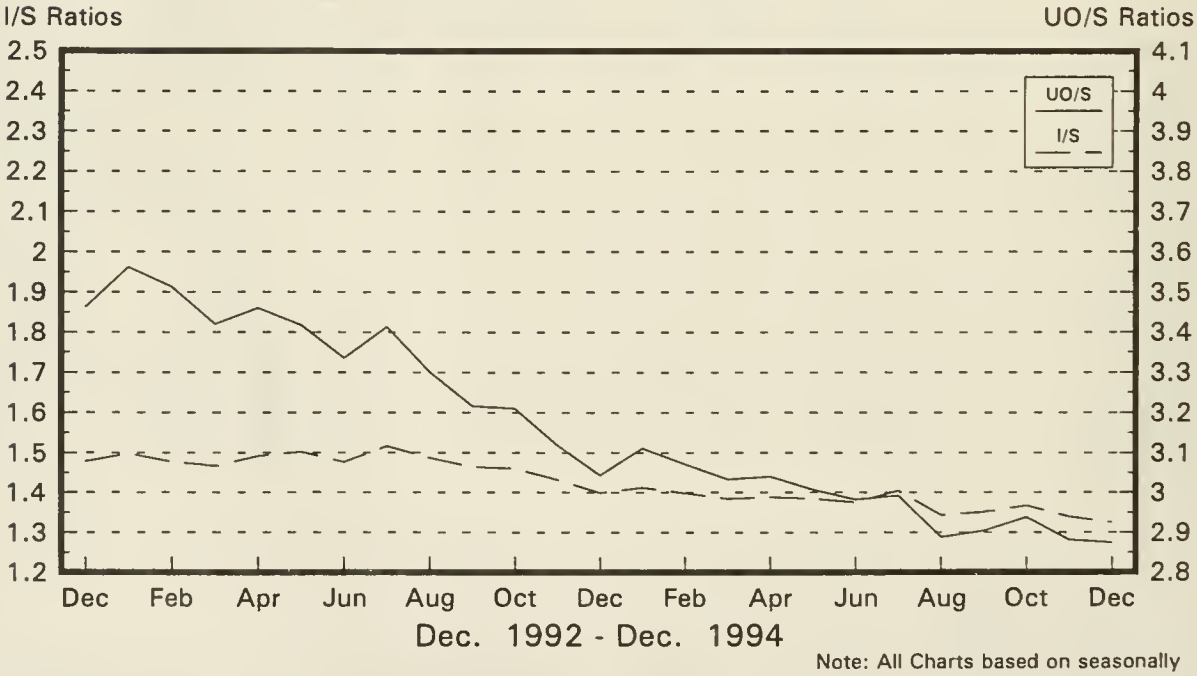
Total Manufacturing

New Orders and Shipments
Three Month Moving Averages



Total Manufacturing

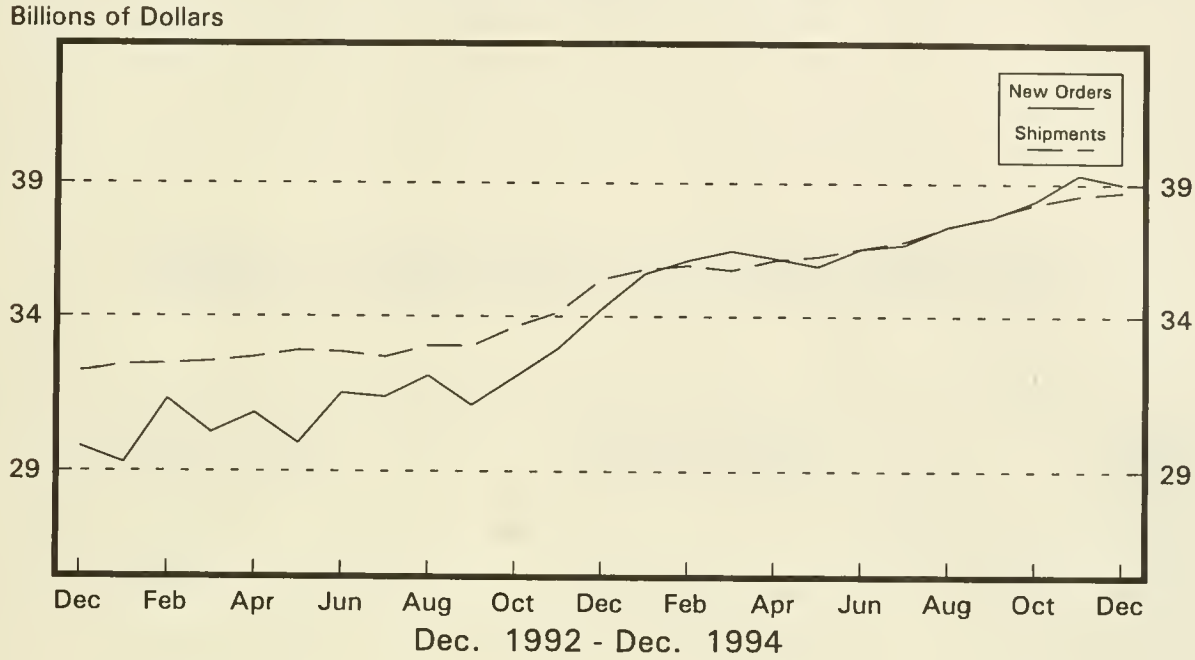
Ratio of Unfilled Orders and
Inventories to Shipments



Note: All Charts based on seasonally adjusted current dollars.

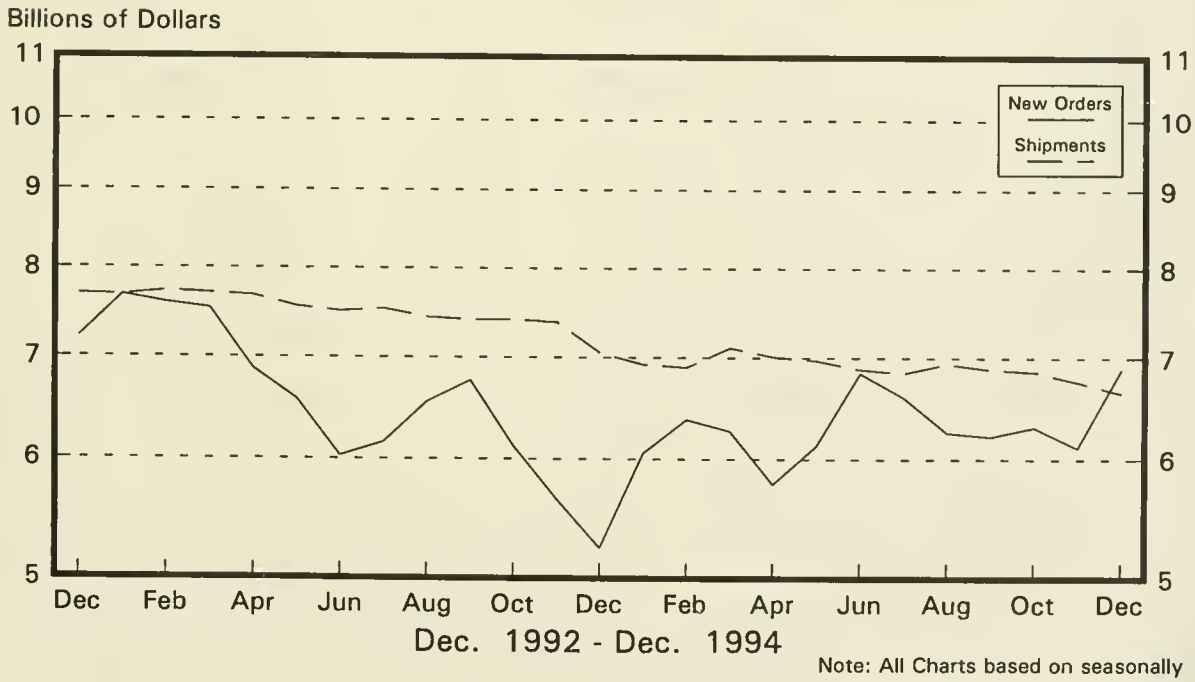
Nondefense Capital Goods

New Orders and Shipments
Three Month Moving Averages



Defense Capital Goods

New Orders and Shipments
Three Month Moving Averages



Note: All Charts based on seasonally adjusted current dollars.

U.S. Department of Commerce
BUREAU OF THE CENSUS
Washington, D.C. 20233

Official Business
Penalty for Private Use, $300

FIRST-CLASS MAIL
POSTAGE & FEES PAID
CENSUS
PERMIT No. G–58

PUBLICATION DATES FOR THE 1995 MONTHLY M3 SURVEY
MANUFACTURERS' SHIPMENTS, INVENTORIES, AND ORDERS

Report Covering	Advance Report Release Dates (8:30 a.m. release time)	Regular Report Release Dates (10:00 a.m. release time)
December 1994	Thur., Jan. 26	Fri., Feb. 3
January 1995	Fri., Feb. 24	Fri., Mar. 3
February 1995	Fri., Mar. 24	Fri., Mar. 31
March 1995	Wed., Apr. 26	Wed., May 3
April 1995	Wed., May 24	Thurs., June 1
May 1995	Fri., June 23	Fri., June 30
June 1995	Thur., July 27	Thur., Aug. 3
July 1995	Thur., Aug. 24	Thur., Aug. 31
August 1995	Wed., Sept. 27	Wed., Oct. 4
September 1995	Thur., Oct. 26	Thur., Nov. 2
October 1995	Wed., Nov. 29	Wed., Dec. 6
November 1995	Wed., Dec. 27	Thur., Jan 4, 1996

2645 25

BOSTON PUBLIC LIBRARY
3 9999 06314 515 3